S
388.31
H3a
1991

AUTOMATIC COUNTERS

STATE DOCUMENTS COLLECTION

JUN 22 1992

MONTANA STATE LIBRARY
1515 E. 6th AVE.
HELENA, MONTANA 59620

1991

PLEASE RETURN

MONTANA

Montana State Library
3 0864 1006 4198 7

MONTANA

AUTOMATIC COUNTERS

1991

Prepared by the

State of Montana Department of Transportation

Traffic Operations Section

In cooperation with

U.S. DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

C A N A D A
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
NORTH DAKOTA
SOUTH DAKOTA
I D A H O
W Y O M I N G
GLACIER NATIONAL PARK
YELLOWSTONE NATIONAL PARK
LINCOLN
FLATHEAD
SANDERS
LAKE
MINERAL
MISSOULA
RAVALLI
BEAVERHEAD
DEER LODGE
SILVER BOW
GRANITE
POWELL
JEFFERSON
BROADWATER
GALLATIN
MADISON
PARK
CARBON
STILLWATER
SWEET GRASS
YELLOWSTONE
BIG HORN
TREASURE
ROSEBUD
POWDER RIVER
CARTER
CUSTER
FALLON
WIBAUX
DAWSON
RICHLAND
McCONE
GARFIELD
PETROLEUM
MUSSELSHELL
GOLDEN VALLEY
WHEATLAND
MEAGHER
JUDITH BASIN
FERGUS
CHOUTEAU
TETON
PONDERA
TOOLE
LIBERTY
HILL
BLAINE
PHILLIPS
VALLEY
ROOSEVELT
SHERIDAN
DANIELS
LEWIS AND CLARK
CASCADE
Great Falls
Helena
Butte
Anaconda
Missoula
Kalispell
Havre
Glasgow
Lewistown
Miles City
Billings
Livingston
Bozeman
Hamilton
Dillon
Virginia City
Red Lodge
Sidney
Glendive
Plentywood
Scobey
Wolf Point
Circle
Baker
Forsyth
Hardin
Ekalaka
Broadus
Terry
Jordan
Malta
Chinook
Harlem
Fort Benton
Conrad
Shelby
Cut Bank
Browning
Choteau
Fairfield
Power
Dutton
Belt
Stanford
Roundup
Harlowton
White Sulphur Springs
Three Forks
Whitehall
Ennis
Virginia City
Sheridan
Alder
Melrose
Wisdom
Big Timber
Reed Point
Columbus
Laurel
Lodge Grass
Hysham
Forsyth
Colstrip
Ashland
Birney
Decker
Sheridan
Wyola
Crow Agency
Hardin
Custer
Huntley
Worden
Ballantine
Shepherd
Absarokee
Fromberg
Bridger
Joliet
Red Lodge
Roberts
Edgar
Fishtail
Nye
Silesia
Park City
Molt
Rapelje
Broadview
Shawmut
Judith Gap
Moore
Winnett
Grass Range
Hilger
Denton
Geyser
Stanford
Raynesford
Belt
Neihart
Monarch
Sun River
Augusta
Dupuyer
Valier
Conrad
Shelby
Cut Bank
Browning
Babb
Kevin
Sunburst
Galata
Inverness
Rudyard
Big Sandy
Box Elder
Havre
Chinook
Harlem
Fort Belknap Agency
Hays
Lodge Pole
Dodson
Malta
Glasgow
Nashua
Frazer
Poplar
Wolf Point
Brockton
Fort Peck
Oswego
Saco
Scobey
Opheim
Whitetail
Plentywood
Westby
Culbertson
Bainville
Froid
Medicine Lake
Antelope
Redstone
Peerless
Flaxville
Richey
Lambert
Circle
Brockway
Vida
Fairview
Sidney
Lindsay
Savage
Fallon
Baker
Ekalaka
Alzada
Camp Crook
Broadus
Powderville
Miles City
Forsyth
Rosebud
Colstrip
Hysham
Custer
Huntley
Worden
Ballantine
Shepherd
Absarokee
Fromberg
Bridger
Joliet
Red Lodge
Roberts
Edgar
Fishtail
Nye
Silesia
Park City
Molt
Rapelje
Broadview
Shawmut
Judith Gap
Moore
Winnett
Grass Range
Hilger
Denton
Geyser
Stanford
Raynesford
Belt
Neihart
Monarch
Sun River
Augusta
Dupuyer
Valier
Interstate
Primary
Secondary
Urban
Off-system
Sharp Site
MONTANA
STATE OF MONTANA
DEPARTMENT OF HIGHWAYS
PLANNING AND STATISTICS BUREAU
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Digitized by the Internet Archive
in 2013

http://archive.org/details/montanaautomatic06mont

INTRODUCTION

This report contains a brief, concise summary of traffic patterns at each permanent traffic counter that was in operation during the year 1991. The traffic volumes for each month and day of the week compared to average daily traffic for the year. A total of 60 automatic traffic counters were in operation during 1991.

At each record the highest, the 10th, the 20th, and the 30th highest hours that occurred during each year shown as a computed percentage figure of the average daily traffic. These are compared to the previous five years and historical data recorded to reflect stability and accuracy.

The 60 counters are distributed to the Highways System as follows:

12 on Interstate Principal Arterial Rural

1 on Interstate Principal Arterial Urban

19 on Primary Principal Arterial Rural

3 on Primary Principal Arterial Urban

10 on Primary Minor Arterial Rural

1 on FAU Principal Arterial Urban

3 on FAU Minor Arterial Urban

4 on FAS Major Collector Rural

2 on Off System Collector Urban

4 on Off System Major Collector Rural

1 on Off System Minor Collector Rural

30TH. MAXIMUM HOUR

The American Association of Highway Officials decided it was not practical to design for the average daily traffic or the highest traffic that occurs during the year. If highways are designed for the average daily traffic, there would be times when the movement of vehicles would surge far above the average. If designed for the highest traffic volume, such conditions would occur only once or twice a year. Upon thorough investigation, it was agreed that the 30th. highest hour would be feasible traffic volume for design purposes. This particular hour is known as the Design Hour Volume, or the 30th maximum hour, and was to be used as the criterion for the design of the "National System of Interstate Highways." It is also now used in the design of Primary and Secondary Highways in Montana.

RLL:Q:PD:dlw:37.si

AUTOMATIC RECORDER DATA BY MONTHS

Station A-1 Year 1991

Location I-90, 10.0 Miles E of Missoula, MP 114.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.2% Pickups 16.6% Commercial 18.6%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	4016	3678	3841	6085	4830	5064	4390	4184	4178	100.14	59.07
February	4737	4481	4359	4491	4830	5670	5179	4852	4810	100.88	68.50
March	5989	4767	9618	5321	5762	6062	6062	5678	5512	103.02	80.16
April	6437	5777	5624	5465	5821	7044	4390	6085	5966	101.99	85.90
May	7729	7197	6927	6472	6927	8721	7569	7310	7192	101.64	103.20
June	10256	4390	8272	8688	9277	10631	9799	5678	9047	103.61	132.33
July	11608	9871	9610	10115	9943	11200	10497	10354	10111	102.40	146.17
August	11602	10162	9790	9790	10297	11851	10497	10639	10425	102.05	150.19
September	8895	8151	7883	7933	8139	9531	6962	9531	8387	102.16	120.09
October	7475	6274	4830	6429	6628	8179	7495	6905	6704	102.99	97.47
November	5715	4938	5307	5670	5465	6321	6084	5179	6085	101.51	80.75
December	6061	4943	4905	4497	5157	6064	6214	5396	5096	105.89	76.17
Daily Average for Year	7543	6467	6179	6625	6881	8086	7455	7084	6916	102.43	

RLL:Q:PRE:79.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-1 Route I-90, East of Missoula

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1989	1251	816	23.2	216	17.3	816	15.7	195	15.6				
1989	2007	348	17.3					293	14.6				
1989	2238	390	17.4	290	12.8	283	12.6	279	12.5				
1971	3596	540	15.0	487	13.0	470	13.1	460	12.6				
1983	5137	983	15.1	659	12.8	649	12.6	685	12.6				
1982	5091	767	15.1	712	14.0	670	13.3	633	13.0				
1983	5394	786	14.8	709	13.1	649	12.6	685	12.7				
1984	5556	283	14.3	770	13.0	832	12.6	757	12.6				
1985	5482	816	14.8	731	13.3	706	12.8	692	12.6				
1986	5798	649	14.8	770	13.3	748	12.8	737	12.7				
1987	6031	816	13.5	790	13.1	777	12.8	757	12.6				
1989	6098	832	13.6	768	12.8	759	12.6	748	12.3				
1989	6286	540	14.8	757	12.8	726	11.5	708	13.1				
1990	6953	1040	14.9	939	13.5	913	13.1	899	12.9				
1991	7084	1123	15.8	972	13.7	933	13.2	917	12.9				

RLL:Q:PRE:16.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-2 Year 1991

Location U.S. 12 & 287, 9.0 Miles E of Helena, MP 54.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.0% Pickups 28.0% Commercial 12.7%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2591	2439	2325	2419	2576	3214	2869	2615	2575	101.55	76.16
February	3168	2752	2982	2419	2899	3716	3349	3014	2916	100.33	87.78
March	3209	2641	2651	2850	3039	3068	3060	3031	2982	101.65	88.28
April	3395	3068	2899	2972	2982	3782	3340	3068	3123	102.52	92.86
May	3878	3525	3179	3159	3150	4315	3839	3068	3923	101.62	104.41
June	4310	3733	3068	3763	3068	4859	4363	4115	4256	102.77	131.65
July	4986	4256	4211	4573	4380	5095	4631	4567	4631	101.87	133.02
August	5001	4148	3923	4176	4357	5206	4625	4520	4625	102.52	131.65
September	3836	3068	3039	3418	3039	4521	3914	3733	3675	101.87	108.73
October	3095	2982	2982	3098	3158	4245	3068	3182	3169	100.41	92.68
November	3373	2931	2864	2903	2858	3328	2747	3068	2899	100.33	87.46
December	2567	2488	2537	2421	2646	3127	2841	2648	2632	100.61	77.12
Daily Average for Year	3617	3139	3091	3199	3313	4083	3559	3433	3374	101.75	

RLL:Q:PRE:80.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-2 Route U.S. 12, East of East Helena

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1989	3704							433	11.7				
1989	1820	276	15.2	258	14.2	251	13.9	246	13.5				
1989	2651	433	17.5	414	15.6	399	15.1	385	14.5				
*1981	2803	477	17.2	429	16.6	390	13.9	379	13.5				
1988	2879	485	17.5	429	14.5	405	14.1	393	11.7				
1983	3181	589	18.2	494	15.5	485	14.0	477	13.4				
1984	3181	451	17.5	435	14.1	413	13.4	398	12.9				
1985	2991	544	18.2	452	15.1	413	13.9	404	13.9				
1988	3148	542	17.2	434	13.9	414	13.2	404	12.9				
1987	3317	470	18.2	460	13.9	433	13.3	418	12.9				
1988	3389	767	22.6	493	14.5	485	14.0	451	13.3				
1989	3340	589	17.5	460	13.9	485	13.2	484	13.5				
1990	3599	493	17.5	598	16.6	507	15.2	507	14.1				
1991	3433	570	16.6	483	14.1	458	13.3	448	13.0				

*New Alignment

RLL:Q:PRE:17.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-3 Year 1991

Location I-15, 0.5 Miles S of Helena, MP 192

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 72.0% Pickups 16.7% Commercial 6.0%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	4521	5788	5579	6203	6322	7105	5562	5885	6978	96.74	83.36
February	5388	6308	6439	6646	8285	7403	6387	6996	6749	96.33	92.11
March	5589	6469	6431	6858	8365	7721	6348	6647	6970	95.37	94.16
April	5488	6995	6996	7164	6831	7970	6939	6939	7173	96.74	98.29
May	6216	6669	7230	7403	7508	8372	7481	7337	7507	97.74	103.93
June	6791	7539	7822	7974	8143	8872	7551	7770	6970	96.28	110.06
July	6954	8277	8365	8536	7884	8663	7450	8054	8351	96.44	114.08
August	7268	8788	8285	8536	8642	9327	7777	8326	8643	96.33	117.94
September	6194	7234	7736	7844	7957	8700	7316	7512	7863	95.53	106.41
October	5408	6871	7195	7222	7273	8545	6939	7078	7396	95.70	100.26
November	5112	6611	6873	6553	6225	7266	6064	6405	6732	95.14	90.73
December	4996	6435	6568	5766	6661	7294	6291	6260	6541	95.70	88.67
Daily Average for Year	5844	6968	7110	7225	7280	8121	6837	7060	7348	96.08	

RLL:Q:PRE:81.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-3 Route I-15, South of Helena

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
*1988	6869	960	14.0	%	11.5	758	11.0	735	10.7				
1989	6666	834	12.5	780	11.7	763	11.4	759	11.4				
1990	6958	843	12.1	812	11.7	796	11.4	787	11.3				
1991	7060	908	12.9	847	12.0	834	11.8	822	11.6				

*In operation for 9 months

RLL:Q:PRE:18.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-4 Year 1991

Location U.S. 87, 1.7 Miles E of Geyser, MP 23

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 41.0% Pickups 39.6% Commercial 17.0%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	916	1037	971	1110	1175	1337	1071	1088	1071	97.06	67.06
February	1193	1171	1118	1166	1119	1496	1719	1198	1213	98.77	73.84
March	1410	1719	1166	1347	1499	1568	1287	1361	1369	99.42	83.89
April	1418	1475	1362	1347	1321	1697	1324	1420	1438	98.75	87.53
May	1723	1736	1508	1517	1751	2003	1645	1719	1719	99.42	105.40
June	2173	1974	1769	971	2053	2245	1810	1580	1988	100.61	122.05
July	2484	2117	1972	2091	1666	2385	1984	2126	2088	101.82	131.05
August	2278	2093	1913	1974	2124	2486	2003	2142	2136	100.28	132.03
September	1738	1601	1769	1737	1972	2089	1747	1810	1840	98.37	111.57
October	1764	1606	1517	1595	1682	2187	1820	1725	1767	101.35	106.33
November	1434	1849	1500	1642	1467	1562	1088	1507	1526	98.75	92.89
December	1299	1426	1840	1719	1428	1635	1496	1401	1407	99.57	86.36
Daily Average for Year	1652	1584	1499	1551	1611	1891	1574	1622	1627	99.69	

RLL:Q:PRE:82.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-4 Route U.S. 87, East of Geyser

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
*1988	1380	230	16.7	216	15.7	177	12.8	169	12.2				
1989	1599	446	27.9	339	21.2	302	20.0	302	18.9				
1990	1566	232	14.8	213	13.6	197	12.6	191	12.2				
1991	1622	277	17.1	225	13.9	212	13.1	206	12.7				

*In operation for 2 months

RLL:Q:PRE:19.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-5 Year 1991

Location Mt. 7, 1.0 Miles S of Wibaux, MP 79.1

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 44.4% Pickups 43.8% Commercial 8.4%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	332	455	406	464	650	505	386	430	454	98.11	70.74
February	415	438	506	527	608	530	464	464	502	96.42	79.62
March	517	543	438	584	587	583	519	545	592	97.87	89.66
April	547	557	583	545	550	671	608	891	583	99.66	95.59
May	675	689	639	689	671	733	763	689	668	101.95	112.04
June	792	689	639	705	717	785	587	758	717	105.57	124.71
July	792	770	757	766	519	770	727	785	795	98.11	128.32
August	1050	692	644	672	745	891	519	794	737	107.73	130.63
September	574	579	595	584	578	650	717	605	592	102.20	99.53
October	576	554	542	583	608	430	683	599	584	102.57	98.55
November	487	550	543	578	529	519	529	531	541	98.15	87.36
December	454	516	538	438	578	545	509	506	502	97.87	83.25
Daily Average for Year	599	587	575	597	612	650	634	608	604	100.66	

RLL:Q:PRE:83.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-5

Route Montana 7, South of Wibaux

Functional Class Minor Arterial

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	219	50	22.8	37	16.9	34	19.9	33	18.3				
1951	330							49	14.4				
1981	589	102	18.8	74	13.7	68	18.3	69	12.0				
1981	589	258	44.7	173	30.0	145	25.1	112	19.4				
1981	863	255	29.5	181	21.0	105	14.4	125	14.5				
1982**													
1983**													
1984	589	304	45.4	181	26.4	130	14.4	116	14.4				
1985	639	281	44.7	105	26.3	116	18.5	112	14.4				
1986	589	236	40.1	105	30.0	96	18.3	85	14.4				
1987	628	281	41.6	146	23.2	116	18.5	104	14.4				
1988	628	258	40.5	124	19.9	105	14.4	100	14.4				
1989	612	341	55.7	219	34.8	171	27.9	124	20.3				
1990	628	317	51.0	134	21.5	114	18.3	105	14.4				
1991	608	273	44.9	160	26.3	108	17.8	99	18.3				

**Under Construction

PLL:Q:PRE:21.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-6 Year 1991

Location FAS 288, 0.5 Miles S of Manhatten

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.2% Pickups 51.2% Commercial 6.6%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							**AVERAGE DAY** Sunday thru Saturday	**AVERAGE WEEKDAY** Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	394	525	526	539	604	642	548	541	566	95.58	86.57
February	512	587	609	560	598	668	654	598	604	99.01	95.69
March	529	599	627	657	640	671	599	615	640	96.10	98.41
April	561	715	685	697	672	712	603	666	697	95.55	106.58
May	593	705	704	705	636	752	630	677	700	96.71	108.34
June	596	673	672	662	692	688	670	662	677	97.78	105.94
July	582	686	677	649	641	702	640	656	671	97.76	104.97
August	591	674	640	732	711	722	701	685	698	98.14	109.62
September	530	656	695	676	702	732	646	658	691	95.22	105.29
October	478	648	652	680	697	708	708	655	677	96.75	104.81
November	450	575	631	563	520	611	526	555	581	95.52	88.81
December	413	554	561	543	583	572	508	531	562	94.48	84.97
Daily Average for Year	519	633	640	639	641	682	619	625	647	96.60	

RLL:Q:PRE:84.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-6 Route FAS 288, South of Manhattan

Functional Class Major Collector Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	255	90	35.3	50	19.6	44	17.3	42	16.5				
1951	348							52	16.5				
1983	328	144	43.9	64	19.5	50	15.5	47	14.3				
1971	320	89	14.9	69	17.2	99	14.4	52	13.4				
1983	496	105	21.2	73	14.8	99	13.8	63	12.9				
1982	505	90	19.2	99	19.6	69	13.2	65	12.9				
1983	505	89	17.5	73	14.3	69	13.2	68	12.6				
1984	564	136	24.0	99	12.6	79	14.0	73	12.9				
1985	560	102	24.0	84	15.7	79	14.0	47	12.9				
1986	543	104	19.2	79	13.8	69	12.7	47	12.6				
1987	559	102	19.2	99	14.8	74	13.2	47	12.6				
1988	560	112	24.0	90	14.3	72	12.5	68	12.6				
1989	559	136	21.1	83	14.8	79	13.8	72	12.9				
1990	558	136	19.4	79	14.8	79	13.8	70	12.5				
1991	625	104	16.6	82	13.1	79	12.6	76	12.2				

PLL:Q:PRE:22.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-7 Year 1991

Location I-15, 6.5 Miles N of Wolf Creek, MP 230.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 60.2% Pickups 18.1% Commercial 16.7%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2226	3538	1912	2014	2022	2683	2694	2169	2169	103.04	73.56
February	2550	2379	2049	2205	2413	2882	2724	2049	2372	106.18	82.99
March	3220	2195	2169	2590	2694	3493	3253	2865	2688	106.59	97.17
April	3249	2555	2488	2590	2694	3240	3064	2819	2655	106.18	95.61
May	3570	2972	2445	2526	2694	3538	3040	3040	2694	106.44	103.10
June	4083	2333	2169	3126	3230	3597	3482	3482	3234	107.67	118.09
July	4781	3482	3469	3777	3597	4324	4305	3957	3753	105.44	134.20
August	4608	3538	3356	3585	3748	4514	4360	3960	3783	105.29	135.09
September	3307	2169	2669	2747	2872	3482	3256	3064	2872	103.16	103.92
October	2946	2501	2375	2446	2682	3556	3040	2773	2684	103.32	94.05
November	2550	2872	2267	2379	2235	2627	2872	2423	2059	102.80	82.18
December	2587	2073	2059	1995	2333	2725	2843	2360	2221	106.26	80.04
Daily Average for Year	3307	2658	2509	2663	2764	3436	3221	2949	2806	105.10	

RLL:Q:PRE:85.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-7 Route I-15, North of Wolf Creek

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	534	129	24.2	157	20.2	97	13.2	93	17.4				
1951	886							315	15.2				
1961	1096	176	16.1	157	14.3	148	13.0	143	13.0				
1971	1647	338	20.5	259	15.7	250	15.2	246	14.0				
1981	2169	434	20.5	333	15.4	304	14.0	297	13.7				
1982	2173	433	17.0	351	14.8	321	14.8	315	14.5				
1983	2364	409	19.2	358	15.1	342	14.5	331	14.0				
1986	2331	447	19.2	355	15.2	329	14.1	315	13.7				
1985	2440	385	15.6	356	14.6	148	14.1	336	13.8				
1986	2439	409	16.8	363	14.9	344	14.1	331	13.7				
1982	2475	433	17.0	361	14.6	304	13.0	327	13.2				
1982	2706	409	17.0	396	14.8	304	13.0	369	13.8				
1989	2731	453	16.6	391	14.8	304	13.2	362	13.3				
1990	3064	511	16.7	453	14.8	434	14.2	426	13.9				
1991	2949	447	15.2	414	14.0	399	13.5	391	13.3				

PLL:Q:PRE:23.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-8 Year 1991

Location U.S. 93, 0.5 Miles S of Ravalli, MP 26.7

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 57.6% Pickups 22.1% Commercial 14.7%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2751	3296	3317	3609	3678	4199	3609	3473	3609	96.23	67.07
February	3785	4070	3689	4053	4090	5079	4389	4253	4319	96.42	82.13
March	4054	4145	4090	4231	4653	5079	4070	4436	4470	99.24	85.66
April	4665	4716	4633	4729	6906	5879	5266	4924	4912	101.29	95.13
May	5567	5218	4893	4729	5199	6230	5647	5386	5314	101.35	104.00
June	4665	5697	5631	5218	6906	7080	6116	6126	6044	101.36	118.30
July	7878	6955	6661	7148	7295	8212	7563	7342	7211	101.82	141.78
August	7713	6986	6986	6804	7048	8055	7243	7227	7135	101.29	139.56
September	5567	5717	5549	5488	5218	6553	5921	5777	5879	99.60	111.56
October	4704	4624	4624	4729	4852	5957	5304	6986	4928	100.41	95.55
November	3463	3767	3962	4499	4169	4964	3912	4064	4215	96.42	78.48
December	3665	4169	3995	3317	4415	4924	4486	4169	6046	98.52	80.78
Daily Average for Year	5021	4947	4827	4977	5183	5986	5328	5178	5184	99.88	

RLL:Q:PRE:86.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-8 Route U.S. 93, South of Ravalli

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	601	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	606	378	44.6	200	23.6	167	13.8	153	13.8				
1951	1357							224	13.5				
1961	1811	527	29.1	305	16.8	281	15.5	271	15.0				
1981	2922	551	19.6	462	15.8	425	14.4	414	14.2				
1981	3932	6[illegible]	16.2	553	14.0	529	13.5	515	13.1				
1982	3913	774	19.8	592	15.8	564	14.4	565	13.8				
1986	4336	745	16.3	604	13.5	578	13.8	566	13.5				
1984	4442	601	14.4	592	13.8	564	12.9	553	12.8				
1985	4297	662	19.8	601	14.0	578	13.5	565	13.5				
1986	4570	717	15.7	647	14.0	601	13.2	585	12.9				
1981	4907	745	15.2	604	13.2	632	12.9	608	12.4				
1988	5073	734	14.5	712	14.0	673	13.1	646	12.9				
1989	5118	764	14.5	707	13.8	675	13.2	654	12.8				
1990	5283	753	14.3	714	13.5	683	12.9	667	12.6				
1991	5178	744	14.4	674	13.0	663	12.8	648	12.5				

PLL:Q:PRE:24.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-9 Year 1991

Location I-15, 7.0 Miles W of Great Falls, MP 287

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.7% Pickups 41.9% Commercial 9.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	4034	4750	4593	4997	5189	5960	4995	4931	5075	97.16	71.86
February	4918	5490	5474	5505	5416	6717	5922	5635	5720	98.52	82.12
March	5505	5657	5488	5986	6469	7207	6306	6113	6211	98.43	89.09
April	5925	6502	6261	6244	5908	7523	6804	6448	6478	99.54	93.96
May	6526	6921	6675	6545	6793	7989	7226	6969	7001	99.54	101.56
June	7506	7359	7166	7446	7721	8961	7619	7675	7731	99.28	111.84
July	8571	8907	8580	8741	8339	9567	8584	8754	8816	99.30	127.56
August	8537	8891	8476	8488	8993	10098	8876	8948	9040	98.98	130.39
September	7036	7246	7352	7157	7288	8513	7301	7395	7498	98.62	107.76
October	6005	6650	6568	6531	6700	8405	7141	6832	6922	98.70	99.56
November	5675	6397	6156	6449	6086	7243	6264	6353	6503	97.69	92.58
December	5662	6358	6073	5542	6386	7315	6919	6294	6324	99.53	91.72
Daily Average for Year	6325	6761	6572	6636	6774	7958	6996	6862	6943	98.83	

RLL:Q:PRE:87.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-9 — Route I-15, West of Great Falls

Functional Class Principal Arterial — Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	609	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	1490	207	12.6	224	10.9	207	10.9	195	13.1				
1987	2497							307	12.0				
1983	3613	658	13.2	455	12.6	420	11.3	810	11.0				
1983	4789	675	14.1	596	12.0	538	11.2	520	10.9				
1983	5209	681	13.1	596	11.4	579	11.1	562	10.9				
1982	5195	730	14.1	629	12.0	600	11.6	583	11.2				
1983	5397	711	13.2	646	12.0	610	11.3	597	11.1				
1984	5416	635	12.7	609	11.2	538	10.8	578	10.7				
1985	5312	658	12.6	609	11.3	581	10.9	567	10.7				
1986*	5599												
1987	5599	703	12.6	642	11.0	627	11.2	610	10.9				
1987	5978	808	13.5	709	11.9	810	11.3	658	11.0				
1983	6494	810	13.5	767	11.0	207	11.2	711	10.9				
1983	6578	810	12.6	767	11.7	725	11.0	706	10.7				
1991	6862	880	12.8	794	11.6	776	11.3	763	11.1				

*Estimated ADT; Out of service in August, September and October due to construction.

PLL:Q:PRE:25.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-10 Year 1991

Location U.S. 2, 2.0 miles E of Wolf Point, MP 592.6

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 48.4% Pickups 40.0% Commercial 9.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	944	1714	1588	1786	1869	2122	1521	1659	1807	93.63	77.02
February	1237	1751	1946	1588	2111	2821	1964	1923	2008	93.72	89.28
March	1870	1946	1939	2008	2213	2468	1938	1987	2141	92.67	92.25
April	1388	2129	2159	2184	2808	2494	1588	2078	2240	92.77	96.48
May	1870	2821	2354	2462	2467	2739	2808	2350	2459	95.57	109.10
June	2095	2682	2635	2684	2887	3128	2532	2640	2808	94.18	122.57
July	2361	2821	2808	2808	2714	3095	2525	2762	2873	96.14	128.23
August	1906	2622	2525	2680	2794	2350	2635	2559	2733	93.63	118.81
September	1544	2018	2350	2391	2467	2655	2240	2762	2350	92.23	102.00
October	1325	3005	2159	2184	2213	2821	1830	2051	2213	92.55	95.22
November	1189	1790	1990	2070	1954	2232	1769	1866	2018	92.47	86.63
December	1199	1883	1856	1694	2007	2134	1747	1775	1911	92.88	82.41
Daily Average for Year	1537	2135	2201	2253	2339	2581	2022	2154	2303	93.53	

RLL:Q:PRE:88.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-10 Route U.S. 2, East of Wolf Point

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	503	928	35.0	102	20.3	72	14.3	64	12.7				
1951	920							109	11.9				
1961	1347	218	16.2	195	14.5	198	12.2	150	11.1				
1971	1648	309	14.9	211	12.8	198	12.6	158	11.9				
1981	2471	309	13.5	292	11.8	284	11.9	273	11.0				
1982	2257	292	12.9	267	11.8	261	11.8	253	11.8				
1983	2301	298	13.5	276	11.9	268	11.8	266	11.9				
1984	2108	312	13.5	278	12.8	261	11.7	266	11.9				
1985	2207	284	14.9	263	11.9	258	11.8	253	11.9				
1986	2105	218	16.2	276	13.1	266	12.6	266	12.4				
1987	2048	309	14.9	273	13.3	266	12.6	262	12.6				
1988	2108	309	14.7	272	12.9	266	12.6	266	12.3				
1989	2105	293	13.9	273	13.0	268	12.7	259	12.3				
1990	2137	292	13.7	276	12.9	270	12.6	264	12.4				
1991	2154	316	14.7	282	13.1	270	12.5	263	12.2				

PLL:Q:PRE:26.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-11 Year 1991

Location I-90, 6.0 Miles W of Billings, MP 441.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.4% Pickups 28.5% Commercial 11.2%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	8496	12638	10880	17221	16393	12208	10880	10651	11266	96.32	74.12
February	11067	12037	11708	12205	12730	14744	13975	12638	12685	99.63	86.33
March	11977	12285	11819	12542	13231	14522	13889	12920	12914	100.05	88.26
April	11218	16282	18080	12812	12527	13972	12845	12822	13809	97.81	87.59
May	11218	14045	13977	14378	14452	16393	14575	14507	14790	98.65	99.10
June	16712	16427	18080	16775	17571	19106	17476	17179	17221	99.76	117.35
July	18223	18269	17863	13115	19053	19956	18659	18639	18746	99.63	127.32
August	18516	18451	18080	18619	18851	21087	19270	19055	19104	99.74	130.17
September	14877	18451	15694	15192	16282	15192	18080	16110	16320	98.71	110.05
October	12332	13311	13861	14790	14744	17535	15529	14474	16393	98.71	98.87
November	11218	13302	13418	13066	12208	14137	13270	12996	13270	97.94	88.78
December	12123	13311	13115	12363	13912	15192	14790	13477	13545	99.50	92.06
Daily Average for Year	13338	14240	14095	14398	14743	16471	15137	14639	14793	98.96	

RLL:Q:PRE:89.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-11 Route I-90, West of Billings

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	2913	564	19.4	423	14.8	388	13.3	370	12.7				
1951	4659							536	11.5				
1961*													
1981	7638	927	12.1	835	10.9	799	10.5	781	10.2				
1981	10948	1291	11.8	1185	10.8	1143	10.4	1117	10.2				
1982	11331	1368	12.1	1232	10.9	1201	10.6	1174	10.4				
1983	10948	1695	12.5	1264	10.9	1280	10.4	1199	10.2				
1984	12248	1540	12.6	1328	10.8	1280	10.5	1291	10.3				
1985	12339	1560	12.1	1366	10.9	1315	10.5	1286	10.4				
1988	12678	1514	11.9	1366	10.8	1311	10.3	1286	10.3				
1981	13466	1565	11.6	1396	10.5	1362	10.4	1333	10.2				
1988	12863	1483	11.5	1353	10.9	1306	10.5	1291	9.8				
1989	13464	1695	12.6	1491	11.1	1435	10.5	1386	10.3				
1990	13961	1999	14.3	1512	10.8	1442	10.3	1404	10.1				
1991	14639	1760	12.0	1650	11.3	1594	10.9	1556	10.6				

*Under construction

PLL:Q:PRE:27.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-12 Year 1991

Location U.S. 87 & Mt. 200, 6.0 Miles W of Lewistown, MP 76.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 44.7% Pickups 37.9% Commercial 16.5%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1083	1350	1277	1626	1867	1960	1188	1332	1657	95.07	71.08
February	1432	1491	1524	1491	1582	1895	1577	1564	1585	98.68	83.46
March	1404	1462	1491	1626	1740	1732	1593	1571	1605	97.89	83.83
April	1452	1750	1758	1654	1577	1948	1552	1676	1739	96.38	89.44
May	2111	1979	1922	1916	1922	2287	2058	2029	2010	100.95	108.27
June	2326	2088	2164	2101	2258	2508	2271	2264	2088	100.27	120.82
July	2440	2217	2258	2108	2274	2585	2273	2348	2345	100.13	125.30
August	2463	2217	2171	2271	2310	2508	2247	2330	2325	100.22	124.34
September	1946	2008	2345	1990	2024	2366	1955	2050	2088	98.23	109.40
October	1756	1979	1979	1890	1867	2349	2024	1955	1965	97.89	104.33
November	1525	1778	1746	1737	1669	1798	1743	1707	1748	98.23	91.63
December	1404	1648	1657	1438	1707	1929	1791	1651	1674	98.63	88.10
Daily Average for Year	1781	1836	1827	1820	1864	2089	1862	1874	1895	98.89	

RLL:Q:PRE:90.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-12 Route U.S. 87 and Montana 200, West Lewistown

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1961	637	120	18.8	97	15.2	90	14.1	84	13.2				
1983	1132							137	12.1				
1961	1491	194	13.5	172	11.5	167	11.2	163	10.9				
1983	1498	315	21.0	181	12.9	171	11.8	165	11.0				
1961	1698	207	14.5	215	12.9	201	11.8	200	11.7				
1987	1699	245	14.5	214	12.9	204	12.3	199	12.0				
1983	1702	276	16.2	234	12.9	207	12.7	200	11.8				
1988	1725	233	13.5	216	12.5	205	11.9	201	11.7				
1985	1699	165	19.8	227	13.4	216	12.7	211	12.4				
1986	1737	332	19.8	225	13.4	216	12.4	209	12.0				
1987	1788	538	19.8	226	12.9	217	12.4	270	12.0				
1988	1788	270	19.8	227	12.9	205	12.0	209	11.7				
1989	1744	270	15.5	227	13.4	216	12.3	207	10.9				
1990	1937	399	20.8	234	12.9	205	11.8	227	11.8				
1991	1874	274	14.6	227	12.1	219	11.7	214	11.4				

PLL:Q:PRE:28.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-13 Year 1991

Location U.S. 191, 7.0 Miles N of Lewistown, MP 9.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 41.8% Pickups 45.5% Commercial 12.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	605	917	836	969	921	1500	705	850	918	98.58	69.98
February	816	985	1026	995	990	1209	990	969	1040	95.77	82.00
March	816	1026	985	1209	1166	1195	969	1031	1089	95.03	84.89
April	763	1162	1223	1184	1339	1212	960	1180	1179	91.94	89.25
May	1194	1245	1292	1209	1236	1388	1111	1245	1277	98.43	102.50
June	1325	1373	1369	1339	1376	1487	1308	1368	1388	98.41	112.47
July	1444	1500	1502	1500	1502	1308	1487	1527	1549	98.58	125.72
August	1307	1388	1413	1406	1419	1500	1323	1407	1406	97.63	115.27
September	1199	1308	1365	1385	1426	1500	1339	1362	1406	96.88	112.14
October	1373	1300	1339	1407	1391	1487	1407	1487	1443	99.79	118.55
November	1075	1290	1228	1207	1075	1181	1300	1177	1195	98.43	96.91
December	848	1193	1174	1042	1149	1261	1028	1097	1166	94.08	90.32
Daily Average for Year	1068	1229	1232	1238	1230	1357	1149	1215	1257	96.66	

RLL:Q:PRE:91.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-13 Route U.S. 191, North of Lewistown

Functional Class Minor Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	141	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	407	%	27.3	83	20.4	67	16.5	63	15.5				
1951	593							85	14.3				
1983	1239	212	17.1	172	13.9	166	13.4	162	13.1				
1987	1203	%	14.6	135	12.5	138	12.1	127	11.7				
1981	1203	157	17.3	147	12.6	141	11.8	137	11.7				
1982	1143	174	15.3	160	12.6	138	12.0	138	11.8				
1983	1107	176	15.0	148	12.6	160	12.0	135	11.8				
1984	1143	169	14.8	148	12.8	138	12.1	138	11.8				
1985	1107	169	15.0	160	11.7	140	12.6	138	12.2				
1988	1106	156	14.8	135	12.2	138	11.8	129	11.7				
1987	1203	141	15.0	157	13.1	147	12.2	144	12.0				
1988	1203	133	14.8	160	13.1	155	12.4	153	12.0				
1983	1203	206	14.8	160	12.7	153	12.2	152	12.1				
1990	1204	176	14.6	154	12.8	147	12.2	143	11.9				
1991	1215	274	22.6	175	14.4	161	13.3	150	12.3				

PLL:Q:PRE:29.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-14 Year 1991

Location FAS 278, 7.0 Miles SW of Dillon, MP 6.0

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 31.6% Pickups 46.9% Commercial 14.5%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	419	293	294	311	363	383	436	358	328	107.32	
February	419	337	363	337	358	404	455	383	351	101.10	
March	419	337	314	337	348	386	436	372	345	102.53	
April	372	375	348	366	337	393	383	366	362	101.10	
May	514	406	455	406	427	473	461	662	453	101.99	
June	664	584	580	549	583	646	671	662	579	103.63	
July	716	662	643	363	776	798	436	759	707	107.36	
August	718	634	404	688	358	798	743	688	671	102.53	
September	419	691	691	664	662	798	675	682	684	99.71	
October	606	575	568	580	555	623	644	691	578	102.08	
November**											
December**											
Daily Average for Year								452			

**Out of Service

RLL:Q:PRE:92.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-14 Route FAS 278, Southwest of Dillon

Functional Class Major Collector Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1989	290	120	41.4	77	24.1	49	16.9	47	16.2				
1989	342							53	15.8				
1989	311	63	20.3	51	16.4	47	15.1	45	14.9				
1971	405	108	23.4	74	18.3	65	16.0	66	14.9				
1981	435	144	33.1	87	20.0	73	16.8	66	15.2				
1987	422	120	23.4	72	17.1	69	16.4	66	16.8				
1981	443	94	23.4	77	19.4	70	15.8	66	14.9				
1984	425	116	27.8	96	22.6	82	15.8	76	17.9				
1985	433	120	24.2	88	20.3	77	17.8	70	16.2				
1986	491	117	24.5	92	20.1	72	15.8	67	14.7				
1987	491	117	23.4	84	17.1	78	15.8	75	15.8				
1988	496	116	23.4	96	19.4	80	15.1	77	15.8				
1989	493	144	23.4	115	23.3	100	20.3	82	16.8				
1990	493	122	24.7	94	19.1	81	16.4	70	14.2				
1991	452	119	26.3	98	21.7	86	19.0	80	17.7				

PLL:Q:PRE:30.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-15 Year 1991

Location Mt. 200, 4.0 Miles NE of Bonner, MP 5.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.0% Pickups 31.5% Commercial 21.6%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1467	1772	1701	1852	3652	2094	1772	1796	1858	96.66	65.77
February	1893	2017	1887	1900	1953	2320	1947	1985	2012	98.66	72.69
March	1982	1865	1791	1900	1903	2111	1791	1912	1924	99.38	70.02
April	2623	2283	2141	2132	2156	2737	2595	2370	2283	106.31	86.78
May	3360	3582	2713	2638	2712	3502	3946	3019	2929	103.07	110.56
June	4032	3460	2917	2957	3221	3796	3038	3385	3185	106.09	123.96
July	4688	3574	3353	3643	3817	4300	4547	3944	3710	106.31	144.43
August	3488	3227	3211	3178	3342	3796	3652	3431	3371	101.78	125.64
September	3569	3817	2976	2901	2976	3460	3211	3215	3122	102.98	117.73
October	3569	2822	2894	2683	2976	3551	3223	3030	2911	104.09	110.96
November	2731	2359	2356	2556	2446	2881	2730	2595	2911	102.87	95.03
December	2046	2104	2024	1839	2144	2389	2087	2087	2097	99.52	76.43
Daily Average for Year	2950	2623	2485	2515	2611	3078	2862	2731	2662	102.59	

RLL:Q:PRE:93.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-15 Route Montana 200, Northeast of Bonner

Functional Class Principal Arterial Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	401	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1941	292	160	54.7	169	40.7	111	38.0	102	34.9				
1951	492							128	26.1				
1961	1231	311	25.3	201	18.8	201	15.6	188	17.3				
1971	1811	399	22.0	381	18.8	381	17.7	302	16.7				
1981	2392	505	21.1	401	16.8	374	15.6	363	15.8				
1987	2837	401	20.0	381	18.8	364	15.6	349	15.6				
1983	2364	539	22.8	431	18.8	388	15.6	373	15.8				
1984	2529	539	21.3	401	16.8	168	15.6	374	14.8				
1985	2534	693	22.8	436	18.8	693	15.6	393	15.6				
1986	2734	505	18.5	447	18.8	438	16.0	427	15.6				
1987	2837	510	22.8	436	18.8	445	15.8	434	15.8				
1988	2529	693	17.6	458	16.8	426	15.1	410	14.8				
1989	2812	518	17.6	458	18.8	421	15.6	407	16.8				
1990	2343	502	21.4	428	18.3	401	17.1	378	16.1				
1991	2731	563	20.6	439	16.1	422	15.5	400	14.6				

PLL:Q:PRE:31.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-16 Year 1991

Location I-15 & I-90, 3.0 Miles W of Butte, MP 123

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 25.1% Pickups 25.1% Commercial 16.4%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	7155	7420	7735	9709	8242	9000	8310	9580	8201	98.52	69.83
February	8922	8506	8694	8887	9473	10406	9500	13188	9193	100.06	79.49
March	9484	9000	9138	9709	10032	13044	10382	9905	9393	100.15	85.60
April	9582	9996	15520	10195	9756	11521	13149	10193	10272	99.23	88.09
May	11421	11154	11096	11259	11096	13149	11835	11682	11702	99.83	100.95
June	14136	13044	13191	13641	14375	15874	14384	14103	14025	100.57	121.88
July	16117	14183	15056	16046	15520	16406	15955	15753	15655	100.63	136.14
August	15788	15216	15799	15514	15799	17458	15790	15874	15520	99.78	137.19
September	12642	12780	12755	9709	13403	14642	13031	13188	13348	98.80	113.97
October	10498	10795	10195	13483	11835	13758	11453	11469	11641	98.52	99.12
November	9131	9413	9812	10119	9490	10690	10080	9857	9942	99.15	85.19
December	9200	9234	9205	8642	9564	10889	10386	9552	9481	100.75	82.55
Daily Average for Year	11173	10962	11068	11419	11566	12996	11790	11571	11605	99.71	

RLL:Q:PRE:94.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-16 Route I-90 & I-15, West of Butte

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1988	4027							507	12.6				
1988	4495	989	13.8	543	12.1	828	11.6	513	11.4				
1971	7123	828	12.4	845	11.9	828	11.6	817	11.8				
1988	8566	1008	11.9	974	11.4	957	11.1	936	10.9				
1988	8376	1110	13.3	1088	12.2	989	11.8	975	11.6				
1988	8404	1018	12.1	989	11.9	957	11.4	989	11.2				
1984	8815	1050	11.9	1008	11.4	985	11.2	961	10.9				
1988	8754	1061	12.1	997	11.4	961	11.2	968	11.1				
1986	8949	1061	11.9	1017	11.4	989	11.0	972	10.9				
1987	9800	1125	11.9	1076	11.4	1050	10.9	1048	10.9				
1988	10345	1352	13.1	1180	11.8	1143	11.0	1125	10.9				
1989	10672	1125	12.5	1257	11.8	1234	11.6	1192	11.2				
1990	11167	1018	11.9	1256	11.2	1234	11.1	1220	10.9				
1991	11571	1414	12.2	1362	11.8	1309	11.3	1283	11.1				

PLL:Q:PRE:32.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-17 Year 1991

Location I-15, 6.8 Miles N of Lima, MP 22.3

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 51.9% Pickups 13.0% Commercial 22.8%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1792	1719	1155	1808	1769	1808	1808	1261	1769	101.15	68.23
February	1410	1719	1217	1337	1627	1536	1476	1364	1332	102.41	75.60
March	1817	1831	1485	1685	1769	2093	1831	1755	1721	101.98	97.27
April	1781	1689	1668	1519	1816	2077	1808	1808	1808	100.55	100.77
May	1702	1719	1519	1599	1808	2093	1808	1733	1730	100.17	96.06
June	2391	1808	1816	2032	2038	2425	2327	2146	2146	105.20	118.95
July	2884	2324	2203	2399	2399	2693	2673	2479	2375	104.38	137.40
August	2799	2360	2093	2257	2441	2840	2787	2038	2038	104.28	140.56
September	2054	1904	1769	1769	1808	2038	1808	1831	1864	100.55	105.48
October	1817	1699	1627	1660	1769	2093	1808	1772	1745	100.55	98.22
November	1360	1204	1397	1623	1261	1471	1524	1412	1808	101.22	78.26
December	1884	1372	1247	1157	1420	1721	1708	1501	1377	109.00	83.20
Daily Average for Year	1929	1651	1603	1713	1762	2032	2426	1804	1753	102.91	

RLL:Q:PRE:95.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-17 Route I-15, North of Lima

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	388							46	11.8				
1961	593	86	14.5	75	12.6	72	12.9	46	13.8				
1971	785	153	19.5	111	14.4	101	13.8	106	13.8				
1981	1251	187	14.5	171	13.4	182	12.9	191	12.5				
1982	1280	209	16.3	198	13.9	167	13.0	163	12.9				
1983	1283	224	17.5	198	15.4	177	13.8	191	13.8				
1984	1296	231	17.8	198	15.0	182	14.0	173	13.4				
1985	1315	231	18.2	191	14.5	182	13.8	175	13.8				
1986	1383	209	16.3	198	14.3	191	13.8	183	13.7				
1987	1442	253	17.5	210	14.6	193	13.7	191	13.2				
1988	1492	310	20.8	241	16.2	218	14.6	210	14.1				
1989	1562	231	16.3	229	14.7	221	14.1	212	13.4				
1990	1815	369	20.8	191	17.5	264	14.5	244	13.4				
1991	1804	326	18.1	280	15.5	253	14.0	244	13.5				

PLL:Q:PRE:33.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-18 Year 1991

Location U.S. 20, 0.5 Miles W of West Yellowstone, MP 4.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.8% Pickups 43.2% Commercial 7.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	826	684	647	700	730	892	884	780	727	104.58	36.26
February	1052	895	816	849	889	1070	1077	950	904	105.09	45.32
March	1052	864	844	927	992	1173	1207	1050	965	108.81	50.09
April	1317	1067	1060	1126	1077	1291	1288	1068	1119	104.86	55.72
May	2350	1892	1632	1543	1670	2078	2251	1670	1747	105.09	90.17
June	3923	3240	3240	3398	3455	4001	3971	3628	3469	104.58	173.08
July	5232	4786	4847	4977	5567	5532	5567	5121	5025	101.91	244.31
August	4785	4351	4404	4324	4407	4892	5242	4650	4491	103.54	221.84
September	3254	2767	2636	2640	2692	2878	3041	2855	2725	104.77	136.21
October	1696	1399	1415	1399	1670	1768	1826	1555	1483	104.86	74.19
November	738	661	733	754	889	730	780	722	750	102.41	34.45
December	826	760	697	633	772	889	974	806	750	107.20	38.36
Daily Average for Year	2278	1946	1914	1939	1991	2261	2342	2096	2009	104.33	

RLL:Q:PRE:96.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-18 Route U.S. 20, West of West Yellowstone

Functional Class Principal Arterial Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	401	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	529							131	20.3				
1961*													
1971	1262	384	30.6	328	29.9	312	24.7	286	22.0				
1989	1618	620	24.0	395	22.0	345	21.3	336	20.3				
1982	1585	402	25.4	370	21.3	360	22.0	348	22.0				
1983	1653	522	31.6	378	23.4	388	22.0	355	21.9				
1984	1674	412	24.6	383	22.9	368	22.0	360	21.9				
1985	1937	463	25.4	395	23.4	394	21.9	363	21.9				
1986	1820	445	24.5	401	22.0	388	21.3	377	20.7				
1987	1937	435	22.6	401	23.4	394	20.3	376	19.4				
1988	2081	707	34.0	624	30.0	558	28.3	516	20.3				
1989	2081	703	31.6	620	29.9	431	20.3	414	20.3				
1990	2135	463	21.7	401	23.4	428	20.3	429	19.7				
1991	2081	497	21.7	453	29.9	438	20.9	429	20.5				

*Under construction

PLL:Q:PRE:34.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-19 Year 1991

Location U.S. 191 & 287, 7.7 Miles N of West Yellowstone, MP 7.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 47.3% Pickups 33.6% Commercial 12.9%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	984	867	883	937	980	1127	1130	980	952	102.98	51.82
February	1313	1130	982	957	1142	1358	1389	1130	1114	106.68	62.56
March	1122	838	838	874	980	1130	1157	1007	944	106.68	53.30
April	903	883	899	869	861	897	883	988	886	100.23	47.00
May	1929	1764	1587	1546	1573	1761	1789	1697	1644	103.35	89.92
June	3243	2698	2787	2889	3004	3187	3713	3004	2917	102.98	158.99
July	4188	3853	3915	4024	4020	4225	4124	4040	3997	101.08	213.82
August	3958	3677	3713	3627	3657	3913	3957	3792	3724	101.88	200.70
September	2722	2553	2427	2433	2490	2706	2579	2564	2523	101.68	135.70
October	1588	1436	1501	1473	1544	1730	1607	1549	1533	101.08	81.98
November	990	899	971	1040	890	1025	992	975	968	100.72	51.90
December	987	905	908	829	1068	1146	1164	994	965	103.01	52.61
Daily Average for Year	1994	1792	1783	1792	1854	2018	1990	1889	1847	102.27	

RLL:Q:PRE:97.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-19 Route U.S. 191, North of West Yellowstone

Functional Class Principal Arterial Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	ADT							120	25.6				
1961	802	285	35.5	220	20.6	212	26.4	204	25.4				
1971	1142	303	26.4	258	20.6	244	21.4	227	19.9				
1971	1481	383	21.0	303	20.5	288	19.4	288	19.2				
1982	1536	421	21.0	339	22.1	307	20.1	299	19.9				
1983	1601	387	24.2	316	19.7	307	17.7	298	18.6				
1984	1629	387	23.1	316	20.6	336	19.4	301	18.5				
1985	1601	387	21.0	311	19.4	298	18.6	290	18.6				
1986	1698	355	21.0	322	18.9	311	18.3	355	18.5				
1982	1853	387	18.2	303	16.9	355	16.4	300	16.2				
1988	1876	373	19.9	340	18.1	332	17.7	327	17.0				
1989	1877	355	21.0	348	16.9	336	17.7	329	18.5				
1990	1848	387	18.2	311	17.7	321	19.4	300	17.0				
1991	1889	387	20.5	357	18.9	343	18.2	336	17.8				

PLL:Q:PRE:35.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-20 Year 1991

Location U.S. 89, 17.0 Miles N of Gardiner, MP 18

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.7% Pickups 45.5% Commercial 5.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	859	712	869	805	829	1007	1068	869	836	103.95	60.34
February	1261	818	793	805	845	1123	1199	978	877	111.52	67.91
March	1139	829	654	869	865	1075	1138	922	819	112.58	64.02
April	776	829	817	845	750	829	913	829	824	100.61	57.57
May	1562	1263	1210	1218	1213	869	1489	1325	1256	100.61	92.01
June	2288	1822	1218	1857	1928	2210	2156	2028	1931	105.02	140.83
July	2954	2721	2631	2728	2770	2631	2944	2807	2757	100.61	194.92
August	2615	2353	2377	2359	2401	2539	2515	2454	2412	101.74	170.41
September	1562	1796	1715	1694	1749	1332	1918	1796	1756	102.28	124.72
October	1164	1049	1041	1030	1108	1353	1332	1144	1108	103.25	79.44
November	1213	1013	1078	1184	1204	1454	1526	1255	1199	104.67	87.14
December	1026	800	792	727	755	983	1035	874	810	107.90	60.69
Daily Average for Year	1560	1313	1315	1335	1368	1575	1603	1440	1382	104.20	

RLL:Q:PRE:98.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-20 Route U.S. 89, North of Gardiner

Functional Class Minor Arterial Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1951	386							91	23.6				
1961*													
1983	655	198	25.5	144	22.0	134	20.5	131	20.0				
1983	932	198	23.2	178	19.1	173	18.8	198	18.1				
1982	933	257	22.2	180	18.6	173	18.8	198	18.1				
1983	998	231	23.2	191	19.2	198	18.8	198	18.6				
1984	1012	225	22.2	199	19.2	198	18.8	182	18.6				
1985	1002	200	20.0	181	18.1	175	17.5	172	17.2				
1989	1099	253	20.0	224	19.2	198	18.0	198	18.6				
1987	1201	246	20.8	224	18.1	211	17.6	205	18.1				
1985	1302	296	22.7	235	18.0	224	18.8	216	18.6				
1989	1563	375	20.0	292	18.2	271	18.8	257	18.6				
1990	1548	443	28.8	315	20.3	285	18.0	261	18.6				
1991	1440	326	22.6	282	19.6	250	17.4	238	16.5				

*Under construction

PLL:Q:PRE:36.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-21 Year 1991

Location Montana Ave., Between Billings & Missoula Aves. in Helena

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	12763	18914	17316	19316	19721	21577	17087	18165	19293	94.15	89.38
February	14228	19345	20223	20466	20668	23183	19740	19693	20777	94.79	96.90
March	13556	20264	20408	21510	21131	22549	19113	19591	21742	92.67	96.40
April	14889	21365	21293	20078	20982	23183	20737	20718	21774	95.15	101.94
May	15782	19966	22103	22300	22710	25258	21019	21510	22592	95.21	105.84
June	16090	20878	22799	23378	23580	25516	20284	21806	23616	92.34	107.94
July	15674	23430	23855	24447	21742	24013	19175	21518	23509	93.32	107.94
August	16160	23912	23340	23500	23855	25188	19628	22221	23912	92.93	109.34
September	14855	19563	21936	22308	22199	24197	20157	20070	21867	93.61	100.72
October	13694	20078	20561	20078	21327	23155	19396	19958	21146	94.38	92.89
November	13287	20086	20723	19953	17549	21901	18091	18878	20131	93.76	92.89
December	13232	20766	21004	17489	20529	21688	18264	18932	20349	93.04	93.15
Daily Average for Year	14518	20824	21280	21351	21333	23517	19388	20323	21676	93.76	

RLL:Q:PRE:99.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-21 Route U.S. 12, Montana Avenue, Helena

Functional Class Principal Arterial Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1987	6730							700	10.4				
1987	7971	881	11.7	846	10.8	832	10.4	832	10.4				
1987	13549	1656	12.2	1538	10.8	1507	11.1	1507	10.7				
1981	18124	2208	12.2	1979	10.8	1916	10.4	1891	10.4				
1982	18725	2192	11.7	2029	10.8	1985	10.4	7971	10.5				
1981	19459	2178	11.7	2042	10.8	2002	10.3	1977	10.2				
1984	19453	2208	11.4	2076	10.7	2047	10.5	2030	10.4				
1985	20701	2366	11.4	2252	10.8	2207	10.7	2177	10.5				
1986	20184	2484	12.3	2180	10.8	2123	10.5	2103	10.4				
1987	20472	2366	11.5	2176	10.8	2124	10.4	2098	10.2				
1988	19881	2347	11.8	2155	10.8	2104	10.6	2084	10.5				
1989	20552	2332	11.3	2214	10.8	2174	10.6	2165	10.5				
1990	20592	2380	11.6	2250	10.9	2192	10.6	2158	10.5				
1991	20323	2577	12.7	2195	10.8	2159	10.6	2112	10.4				

PLL:Q:PRE:37.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-22 Year 1991

Location Mt. 59, 18.3 Miles N of Miles City, MP 18.3

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 30.0% Pickups 42.9% Commercial 27.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	128	168	162	181	164	289	181	174	182	95.60	65.64
February	128	164	209	168	208	289	162	192	207	92.76	72.43
March	128	218	166	257	277	260	196	218	222	95.56	79.97
April	161	288	284	298	284	251	168	288	265	99.31	89.78
May	290	309	288	284	284	323	280	287	289	99.31	108.27
June	298	288	287	290	289	343	257	288	295	96.95	107.89
July	290	309	334	345	334	343	298	334	343	96.21	124.49
August	359	403	381	388	381	428	381	196	196	99.99	147.12
September	298	289	168	277	288	339	288	290	295	99.31	109.40
October	302	269	298	255	301	323	381	298	289	102.08	111.29
November	203	289	278	260	280	222	257	257	222	95.56	97.33
December	172	244	228	203	241	289	234	229	241	95.02	86.39
Daily Average for Year	230	273	268	261	265	308	252	265	275	96.36	

RLL:Q:PRE:100.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-22

Route Montana 59, North of Miles City

Functional Class Minor Arterial

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1989	281	76	27.0	58	20.6	54	19.2	51	18.1				
1990	278	74	26.6	57	20.5	50	18.0	48	17.3				
1991	265	58	21.9	43	16.2	40	15.1	39	14.7				

PLL:Q:PRE:38.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-23 Year 1991

Location FAS 241, 2.5 Miles N of Harlem

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 28.1% Pickups 52.3% Commercial 19.2%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	197	234	248	277	290	322	280	284	280	95.00	98.15
February	211	301	234	286	280	369	273	284	301	94.36	88.77
March	289	287	280	280	332	369	314	299	308	97.09	93.46
April	278	329	332	345	312	376	312	314	301	94.86	98.15
May	289	329	301	301	301	369	332	301	345	96.12	104.09
June	289	344	314	362	353	369	332	369	356	95.00	106.59
July	197	377	345	392	393	407	356	372	387	96.12	116.28
August	361	423	421	345	406	435	406	405	412	95.00	126.60
September	289	312	301	345	362	369	323	332	345	95.65	103.15
October	278	364	312	329	312	369	353	332	332	98.22	103.78
November	289	324	280	280	280	312	280	309	309	97.09	93.27
December	197	234	280	234	280	312	267	280	277	94.95	82.21
Daily Average for Year	257	328	317	322	327	370	320	320	333	96.10	

RLL:Q:PRE:101.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-23 Route FAS 241, North of Harlem

Functional Class Major Collector Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	214							32	14.8				
1961	205	40	19.5	33	16.1	31	15.9	30	14.8				
1981	313	55	17.8	49	15.7	45	14.8	43	13.7				
1981	340	64	17.8	48	16.1	45	13.8	45	13.8				
1982	320	57	17.8	48	14.6	46	13.8	43	13.4				
1983	358	125	34.9	50	25.1	76	21.2	57	15.9				
1984	319	53	16.6	49	15.1	45	14.1	46	13.8				
1985	290	48	21.0	46	14.6	40	14.8	40	13.8				
1984	290	52	17.8	46	15.7	43	14.8	40	14.8				
1987	338	53	17.8	48	14.5	43	13.5	42	13.8				
1984	339	53	15.6	49	14.8	46	13.4	45	13.3				
1981	338	45	19.2	49	14.5	47	13.8	45	13.3				
1990	339	53	17.8	50	15.0	48	14.8	46	13.8				
1991	320	55	17.2	50	15.6	48	15.0	45	14.1				

PLL:Q:PRE:40.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-24 Year 1991

Location U.S. 2, 1.3 Miles W of Kalispell, MP 118.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 55.1% Pickups 31.1% Commercial 10.4%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2948	4960	4275	6009	4812	5035	3748	4960	4691	92.60	77.06
February	3715	4960	4914	4953	4960	5082	4960	4730	4960	95.37	83.91
March	3764	4960	4811	4931	4960	5082	4634	4658	6876	95.53	82.63
April	4385	5200	5170	5282	5330	5683	5249	5330	5330	97.43	92.12
May	4630	5720	6013	5928	5798	6366	5883	5788	5973	96.03	102.67
June	5195	6486	6352	6361	6448	6881	6063	6210	4960	95.54	110.16
July	6014	7267	7256	7323	7046	7432	6627	7023	7267	96.64	124.58
August	5886	7240	7271	7227	7098	7765	6800	7090	7375	96.14	125.77
September	5399	6366	6551	6009	6486	7025	6352	6310	6556	96.25	111.94
October	4757	5799	5974	6009	6310	6516	5527	5835	6076	96.03	103.51
November	4474	5368	5603	5814	5151	5952	5284	5394	5595	96.41	95.68
December	3947	5371	5428	4763	5341	5804	4964	5072	5347	94.86	89.97
Daily Average for Year	4593	5724	5802	5826	5792	6246	5461	5637	5879	95.88	

RLL:Q:PRE:102.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-24 Route U.S. 2, West of Kalispell

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1957	1358							171	12.6				
1969	1454	219	15.1	190	13.1	%	12.7	180	12.4				
1971	2442	462	18.1	366	15.0	352	14.4	339	13.9				
1979	3843	494	12.9	462	12.0	451	11.8	446	11.6				
1987	3972	590	14.5	462	12.3	475	12.0	466	11.7				
1983	4502	569	12.6	537	11.9	523	11.6	574	11.5				
1986	4785	574	12.6	543	11.4	538	11.8	525	11.0				
1985	4902	574	11.8	544	11.3	538	11.0	577	10.9				
1986	5040	594	11.8	573	11.4	586	11.0	569	10.9				
1987	5283	639	12.1	451	11.4	590	11.2	569	11.0				
1989	5359	339	11.8	604	11.3	577	10.8	571	10.7				
1989	5430	608	12.1	600	11.0	586	10.8	580	10.7				
1993	5640	674	12.2	613	11.1	451	10.8	592	10.7				
1991	5637	704	12.5	648	11.5	631	11.2	621	11.0				

PLL:Q:PRE:41.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-25 Year 1991

Location I-90, 0.5 Miles E of Wibaux, MP 242.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 43.7% Pickups 29.3% Commercial 21.2%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1343	1176	1187	1187	1261	1388	1446	1277	1236	103.32	58.03
February	1593	1335	1349	1460	1460	1718	1721	1519	1464	103.76	69.02
March	2042	1440	1422	1673	1803	1979	2101	1805	1678	107.57	82.02
April	1853	1730	1632	1781	1676	1844	1920	1770	1728	102.43	80.43
May	2298	2073	1934	1967	2092	2336	2334	2146	2087	102.83	97.52
June	3273	2679	2605	2784	2951	3264	3256	2993	2857	104.76	136.00
July	3602	3240	3087	3248	3208	3380	3547	3317	3227	102.79	150.73
August	3816	3073	2977	3207	3292	3623	3745	3406	3255	104.64	154.77
September	2731	2367	2296	2416	2495	2691	2620	2519	2449	102.86	114.47
October	2259	1890	1918	2065	2172	2432	2514	2166	2090	103.64	98.42
November	1772	1583	1594	1843	1627	1896	1997	1772	1718	103.14	80.52
December	2020	1489	1398	1456	1634	1869	2226	1718	1558	110.27	78.07
Daily Average for Year	2379	2006	1950	2091	2139	2368	2452	2201	2112	105.97	

RLL:Q:PRE:103.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-25 Route I-94, East of Wibaux

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1958	1053							130	12.3				
1961	1031	233	22.6	173	16.8	148	14.4	349	13.7				
1971	1622	257	15.8	234	16.8	223	11.2	218	13.4				
1981	2521	414	16.4	326	12.3	296	11.7	282	11.2				
1982	2236	349	15.8	275	12.3	265	11.9	258	13.9				
1983	2126	600	28.2	305	16.8	283	13.3	267	12.6				
1984	2113	333	15.8	275	13.0	263	12.5	258	12.2				
1989	1996	330	15.9	260	13.9	255	12.5	241	12.6				
1988	1925	279	14.5	254	13.2	244	12.7	240	12.5				
1981	1973	258	16.4	254	12.8	248	12.6	242	12.3				
1988	2032	258	14.5	268	13.2	255	12.5	249	12.6				
1989	2090	342	16.4	316	15.1	296	14.2	260	13.9				
1950	2164	330	15.2	300	13.9	294	13.6	260	11.2				
1991	2201	344	15.6	297	13.5	290	13.2	283	12.9				

PLL:Q:PRE:42.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-27 Year 1991

Location U.S. 191, 9.0 Miles N of Roy, MP 70

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 48.1% Pickups 36.6% Commercial 12.8%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	274	282	266	267	287	375	236	283	292	96.92	56.06
February	399	284	264	267	331	480	297	331	325	100.80	65.57
March	483	299	305	340	631	504	607	382	379	100.80	75.66
April	483	692	409	409	424	534	379	692	447	98.88	87.55
May	635	575	472	480	504	207	542	566	558	101.43	112.12
June	765	379	573	577	692	758	610	651	631	103.17	128.95
July	822	616	559	559	588	267	564	631	610	103.44	128.95
August	765	379	584	623	692	841	644	680	680	99.85	134.70
September	588	607	527	571	571	727	559	585	558	99.32	115.88
October	693	558	484	573	585	738	665	550	558	105.54	116.87
November	538	476	446	510	449	546	469	497	488	100.82	97.46
December	511	391	373	341	458	496	404	425	409	103.91	84.19
Daily Average for Year	573	481	439	455	495	616	475	505	497	101.61	

RLL:Q:PRE:104.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-27 Route U.S. 191, 10.5 Mi. NE of Roy

Functional Class Minor Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1961	202	126	62.4	71	35.1	50	24.8	44	21.8				
1971	314	98	31.2	64	20.4	56	17.8	53	16.9				
1981	413	94	22.8	75	18.2	69	16.7	66	16.0				
1982	383	103	26.9	76	19.8	69	18.0	65	17.0				
1983	422	113	26.8	92	21.8	77	18.3	71	16.8				
1984	426	109	25.6	81	19.0	76	17.8	71	16.7				
1985	411	99	24.1	79	19.2	71	17.3	69	16.8				
1986	418	116	27.8	82	19.6	75	17.9	72	17.2				
1987	464	111	23.9	92	19.8	83	17.9	77	16.6				
1988	471	106	22.5	92	19.5	83	17.6	76	16.1				
1989	462	123	26.6	89	19.3	84	18.2	79	17.1				
1990	461	101	21.9	86	18.7	81	17.6	77	16.7				
1991	505	121	24.0	96	19.0	87	17.2	84	16.6				

PLL:Q:PRE:43.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-28 Year 1991

Location Frontage Rd., 7.0 Miles W of Grat Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 50.8% Pickups 41.7% Commercial 7.2%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1888	2285	2711	2416	2658	2304	3217	2304	2304	97.05	87.17
February	2135	2394	2486	2592	2435	2756	2425	2455	2530	97.04	92.88
March	2135	2531	2455	2661	2577	2784	2697	2525	2602	97.04	95.53
April	2387	2732	2711	2833	2592	3049	2885	2734	2770	96.25	103.43
May	2516	2778	2801	3040	2967	3121	2782	2887	2559	97.87	109.22
June	2487	2798	2801	2592	2841	2990	2880	2807	2868	97.87	106.20
July	2135	2866	2866	2947	2801	3072	2661	2801	2416	96.25	105.96
August	2406	2763	2825	2416	2818	3049	2697	2784	2873	96.90	105.32
September	2172	2539	2801	2798	2711	2982	2730	2668	2775	96.14	100.94
October	2202	2531	2648	2798	2650	3041	2810	2668	2726	97.87	100.94
November	2135	2524	2543	2798	2650	2648	2455	2485	2559	97.87	94.01
December	2170	2570	2750	2554	2635	2892	2713	2601	2678	97.12	98.40
Daily Average for Year	2247	2605	2674	2768	2640	2909	2663	2643	2719	97.20	

RLL:Q:PRE:105.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-28 Route Vaughn - Interstate, Frontage

Functional Class Major Collector Traffic Type Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1961	285	112	43.9	71	21.8	63	24.7	63	23.1				
1971	553	300	12.6	63	16.1	84	10.7	80	14.5				
1961	2270	354	15.6	273	12.0	266	11.7	261	11.5				
1982	2205	300	13.6	267	12.1	257	11.2	252	11.6				
1983	2359	301	12.6	273	11.6	267	19.9	282	11.5				
1984	2261	354	15.8	267	11.7	285	11.5	256	19.3				
1985	2262	285	12.6	267	11.6	254	11.2	293	19.3				
1986*	3926	929	23.7	830	21.1	783	19.9	759	19.3				
1982	2587	367	14.2	295	11.6	284	11.1	278	10.7				
1989	2599	301	13.2	267	11.5	285	11.1	284	19.3				
1989	2557	301	13.3	354	11.6	254	11.5	290	19.3				
1990	2557	314	12.6	293	11.5	285	11.1	282	11.2				
1991	2643	381	14.4	303	11.5	295	11.2	290	11.6				

*Interstate traffic diverted to frontage road during construction.

PLL:Q:PRE:44.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-29 Year 1991

Location Frontage Rd., 6.0 Miles W of Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 43.5% Pickups 39.3% Commercial 16.7%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	3202	2493	2349	2546	2551	2774	2100	2384	2980	94.28	80.08
February	2251	2712	2726	2762	2774	3002	2680	2851	2770	96.64	90.72
March	2485	2771	2677	2843	2874	3542	2708	2772	2856	97.06	93.11
April	3202	2551	3029	2369	2847	3095	2484	2824	2980	94.77	94.86
May	2666	3076	3186	3254	3291	3076	2884	3144	3272	96.09	105.60
June	2924	3291	3198	3241	3299	3553	3165	3226	3316	97.29	108.35
July	2966	3471	3198	3467	3406	3542	3116	3340	3445	96.95	112.19
August	3202	3471	3406	3002	3516	3718	3139	3047	3531	96.49	114.44
September	2753	3718	3506	3467	3002	3644	3083	3279	3406	95.02	110.14
October	2424	3085	3002	3083	3145	3445	2856	3047	3029	96.12	102.35
November	2180	3013	3083	2894	2666	2949	2804	2751	2856	94.28	92.40
December	2251	2954	3002	2730	3029	3268	2770	2851	3002	94.97	95.76
Daily Average for Year	2506	2991	3053	3228	3076	3296	2795	2977	3106	95.85	

RLL:Q:PRE:106.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-29 Route Billings - Interstate, Frontage

Functional Class Major Collector Traffic Type Frontage Road

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1962	1268	194	15.3	183	14.4	171	13.9	162	12.8				
1981	1702	228	19.4	182	10.7	175	10.3	172	12.1				
1981	2305	287	12.5	271	11.8	260	10.3	257	11.1				
1982	2395	303	12.6	279	11.4	274	11.6	270	10.3				
1983	2907	564	19.4	438	15.1	418	14.4	403	13.9				
1984	2563	377	14.7	330	12.9	330	12.1	310	12.1				
1985	2808	356	12.7	339	12.9	330	11.8	326	11.6				
1986	2726	398	14.6	324	11.9	316	11.6	313	11.5				
1987	2557	310	12.7	279	11.4	282	11.0	274	10.7				
1988	2770	482	12.6	324	11.7	315	11.6	310	10.7				
1989	2557	317	12.4	300	11.7	290	11.3	287	11.2				
1990	2869	593	20.7	330	11.5	316	11.0	310	10.8				
1991	2977	355	11.9	334	11.2	326	11.0	321	10.8				

PLL:Q:PRE:45.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-30 Year 1991

Location I-90, 0.7 Miles W of Superior Int., MP 46.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 53.5% Pickups 14.3% Commercial 20.8%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2268	7109	2285	2378	2378	2638	2378	2638	2345	99.74	52.25
February	2827	2536	2591	2606	2606	3128	2783	2756	2737	100.70	61.57
March	3651	3052	3172	3343	3597	4026	3569	3597	3433	101.33	78.45
April	3947	3869	3638	3561	3769	4243	3388	3775	3758	100.45	84.33
May	4583	4648	4231	4085	4417	5312	4714	4573	4547	100.57	102.16
June	6386	5424	5427	5526	5883	6602	6159	5939	5772	102.89	132.67
July	7536	6507	6309	6465	6660	7109	6932	6753	6586	102.89	150.85
August	8093	7197	6861	6962	2606	8425	2378	7580	7420	102.16	169.33
September	5741	5798	5490	5354	5042	5799	5221	5510	5511	99.98	123.09
October	4762	4165	4258	4182	4435	5457	4487	4512	4472	100.89	100.79
November	3308	3071	3380	3779	3217	3666	3526	3433	3434	99.97	76.69
December	3340	3003	3123	2517	3069	3290	7620	3036	6506	101.00	67.32
Daily Average for Year	4704	4264	4230	4225	4391	4975	4538	4477	4421	101.27	

RLL:Q:PRE:107.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-30 Route I-90, West of Superior

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1962	1487	362	24.3	320	21.5	307	20.6	302	30.3				
1971	2346	375	16.0	334	14.2	324	13.8	320	13.6				
1983	3411	590	15.0	465	13.6	457	13.4	448	13.6				
1982	3159	505	16.0	478	15.1	457	14.5	445	14.1				
1983	3528	590	16.7	511	14.5	488	13.8	479	13.6				
1990	3715	608	16.3	527	14.2	596	14.3	505	13.6				
1989	3528	576	16.3	521	14.8	497	14.1	489	13.6				
1988	3717	596	16.0	530	14.3	596	13.8	506	13.6				
1987	3785	618	15.8	580	14.0	544	13.7	534	13.6				
1988	4108	648	15.8	588	14.3	562	13.7	547	13.6				
1989	4295	714	16.0	642	14.3	590	4.0	579	13.6				
1990	4561	719	15.8	670	14.7	648	14.2	631	13.6				
1993	4477	787	17.6	678	15.1	653	14.6	634	14.2				

PLL:Q:PRE:46.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-31 Year 1991

Location I-94, 8.0 Miles W of Miles City, MP 129.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 47.6% Pickups 30.9% Commercial 17.7%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1804	1730	1767	1874	1907	2157	2031	1891	1882	100.48	83.96
February	2387	2089	2071	2208	2479	2946	2794	2601	2353	102.89	78.18
March	2845	2820	2208	2807	2807	3103	2920	2684	2589	100.32	86.67
April	2687	2747	2565	2502	2611	2820	2332	2820	2633	98.75	83.96
May	3590	3193	3018	3035	3234	3867	3515	3353	3284	102.10	108.27
June	4201	3684	3475	3653	4004	4570	4157	3972	3877	102.61	128.45
July	4641	4155	4031	4270	4119	4495	4205	4262	4229	101.33	137.63
August	4586	3972	3970	4037	4236	4791	4381	4300	4229	101.68	138.85
September	3382	3283	3177	3228	3432	3885	3653	3406	3395	100.32	109.98
October	3108	2601	2200	2896	3653	3406	3432	3047	2831	102.63	98.39
November	2495	2494	2497	2792	2497	2744	2689	2609	2611	99.92	84.25
December	2931	2339	2277	2166	2571	2988	3077	2611	2453	106.44	84.31
Daily Average for Year	3221	2874	2815	2926	3072	3502	3252	3097	3040	101.87	

RLL:Q:PRE:108.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-31 Route I-94, West of Miles City

Functional Class Principal Arterials Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	1655	213	12.9	358	12.5	188	11.4	188	11.3				
1971	2065	302	14.8	271	13.1	260	12.8	251	12.2				
1981	2958	379	12.9	350	11.7	339	11.3	318	11.1				
1988	2952	440	14.8	373	12.6	351	12.2	345	11.7				
1988	3012	443	14.8	404	11.6	366	12.2	346	11.6				
1986	2950	721	24.4	346	12.2	345	11.7	334	11.3				
1985	2765	373	13.5	346	12.9	318	12.1	188	11.9				
1986	2541	375	14.8	339	13.1	318	12.5	318	12.3				
1988	2966	410	13.8	346	12.3	351	11.8	343	11.6				
1988	2958	421	14.8	387	12.9	302	11.7	344	11.9				
1988	3022	436	14.8	378	12.5	366	12.1	359	11.9				
1971	3128	425	13.8	386	12.3	379	11.8	365	11.7				
1991	3097	484	15.6	386	12.5	371	12.0	365	11.6				

PLL:Q:PRE:48.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-32 Year 1991

Location 25th St. N, Between 4th and 5th Aves. in Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2296	3835	3544	4057	4188	4188	2981	3871	3930	93.53	87.87
February	2687	4048	4259	4848	4079	4182	3387	3871	4268	92.08	94.56
March	2676	4239	4182	4313	4188	4344	3658	3907	4259	91.74	95.44
April	3014	4486	4904	4486	4879	4675	3716	4149	4434	93.57	101.36
May	3284	4184	4904	4837	4188	4939	3786	4411	4188	93.53	107.76
June	3201	4848	4939	4848	4812	5078	3939	4482	4939	90.75	109.49
July	3252	5032	4259	5044	4644	5070	3793	4571	4939	92.68	111.66
August	3062	4840	4482	4754	4188	4904	3722	3473	4188	91.87	106.83
September	2821	4182	4482	4668	4108	4388	3585	4168	4599	92.68	101.82
October	2710	4848	4268	4431	4346	4482	3439	4180	4180	92.26	98.94
November	2637	4115	4106	4221	3617	4118	3191	3711	4939	91.88	90.66
December	2696	4189	4336	3773	4164	4311	3423	3832	4164	92.03	93.61
Daily Average for Year	2861	4346	4399	4476	4376	4634	3552	4094	4448	92.04	

RLL:Q:PRE:109.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-32 Route 25th St. N. in Great Falls

Functional Class Minor Arterial Traffic Type City Arterial

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1963	4767	659	11.9	579	12.1	559	11.1	546	11.5				
1971	3318	512	15.4	472	14.2	439	11.0	413	10.4				
1988	3510	410	11.9	386	11.0	373	10.4	367	10.5				
1988	3579	1002	28.0	415	11.6	398	11.1	386	10.8				
1988	3706	486	11.9	423	11.4	408	11.0	404	10.9				
1984*													
1988	3791	486	16.6	470	12.4	426	11.0	486	10.9				
1988	3854	486	12.6	428	11.1	408	10.7	407	10.6				
1988	3864	461	11.9	418	10.8	408	10.4	402	10.4				
1988	3862	ADT	11.9	416	10.8	408	10.4	659	10.4				
1988	3701	502	13.6	428	11.6	400	11.1	399	10.8				
1990	3985	514	12.9	470	11.8	406	11.0	440	11.0				
1991	4094	477	11.9	458	11.0	408	10.8	440	10.7				

*Under construction

PLL:Q:PRE:49.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-33 Year 1991

Location 10th Ave. S, Between 9th & 10th St. in Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	21089	28161	26942	29841	29843	33261	28050	28238	29514	95.68	85.31
February	24997	31325	30570	31443	29828	36132	32440	31017	31936	97.13	93.70
March	25038	31325	30663	32855	33978	38306	33958	31945	33385	96.49	96.50
April	27465	33536	33087	33289	32460	37845	31970	33101	33958	97.37	100.00
May	28618	32524	34091	34621	34705	38393	34334	34092	35002	97.40	100.00
June	28845	36117	35780	36403	37049	40135	34515	35291	37097	95.13	100.00
July	28935	38663	37995	38242	35995	39671	34843	36554	38177	95.75	100.00
August	29456	37767	37425	37352	38287	40654	35227	36737	38404	95.66	100.00
September	25859	31239	33007	33332	32468	36570	33044	32084	33383	96.11	96.93
October	24038	31335	31930	32789	33165	38366	31409	33401	31936	104.59	100.00
November	25038	30287	30829	31913	28670	34092	31970	30829	31666	97.36	93.13
December	28071	36341	35428	28254	34129	39450	36371	33936	34826	97.44	102.52
Daily Average for Year	26452	33440	33142	33361	33399	37579	33332	33102	34087	97.11	

RLL:Q:PRE:110.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-33 Route 10th Ave. S. Great Falls

Functional Class Principal Arterial Traffic Type Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	23096	2469	10.8	2375	10.3	2296	9.9	2248	9.1				
1971	24183	2563	10.8	2383	9.9	2320	9.6	2292	9.5				
1981	28434	2731	9.6	2658	9.3	2620	9.2	2600	9.1				
1982	28781	2786	9.7	2718	9.4	2677	9.3	2658	9.2				
1983	29621	2820	9.5	2724	9.2	2724	9.1	2684	9.1				
1984	30648	4786	10.8	2677	9.4	2814	9.2	2795	9.1				
1988	30603	3067	10.0	2925	9.9	2869	9.6	2845	9.3				
1990	31290	3068	9.6	2920	9.3	2886	9.2	2863	9.1				
1989	32311	3068	9.3	2948	9.3	2920	9.0	2882	8.9				
1988	32766	3068	9.6	2920	9.1	2886	9.0	2939	9.5				
1989	23105	5075	10.8	3015	9.4	2658	9.2	2936	9.1				
1990	32898	3068	9.6	3068	9.3	2999	9.1	2988	9.1				
1991	33102	3235	9.6	3075	9.3	3029	9.2	2996	9.1				

PLL:Q:PRE:50.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-34 Year 1991

Location U.S. 12, 5.0 Miles NW of Forsyth, MP 265

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 35.4% Pickups 39.3% Commercial 22.5%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	348	199	194	297	265	233	159	192	257	92.31	70.44
February	181	205	218	297	224	252	194	213	213	95.57	78.14
March	225	237	263	246	276	268	265	243	257	96.89	89.88
April	202	263	243	297	247	265	197	265	256	93.87	89.88
May	304	325	301	302	194	305	243	337	322	96.89	114.46
June	348	350	344	347	358	370	306	352	354	97.40	129.13
July	337	332	352	199	342	342	265	337	346	97.40	123.63
August	336	328	327	320	350	373	305	335	342	97.95	122.90
September	255	276	274	297	243	301	246	277	283	95.85	101.62
October	348	297	257	273	276	344	323	306	297	103.03	112.26
November	255	233	256	297	252	265	254	265	269	98.51	97.22
December	181	233	194	188	193	233	159	194	203	95.57	71.17
Daily Average for Year	259	274	271	275	280	304	244	273	281	97.15	

RLL:Q:PRE:111.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-34

Route U.S. 12, NW of Forsyth

Functional Class Minor Arterial

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	293	63	21.1	53	17.7	50	18.0	48	16.1				
1971	283	57	21.1	47	18.7	45	18.1	42	16.0				
1981	255	59	23.1	42	15.6	45	17.6	43	18.0				
1982	245	47	21.1	55	22.4	50	20.4	47	19.2				
1988	255	76	26.6	52	20.4	46	18.0	43	18.0				
1984	241	64	26.6	45	18.7	40	16.6	39	19.2				
1985	270	87	18.5	42	18.7	38	18.1	36	16.0				
1986	265	42	23.4	52	15.6	42	18.1	48	17.4				
1987	293	55	18.5	45	15.6	42	18.1	41	16.1				
1988	270	50	18.5	42	15.6	39	14.4	39	14.4				
1990	244	79	32.4	57	23.3	42	18.1	45	17.4				
1990	283	51	18.5	45	15.9	42	14.8	41	14.5				
1991	273	52	19.0	43	15.8	40	14.7	38	13.9				

PLL:Q:PRE:51.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-35 Year 1991

Location FAS 210, 3.0 Miles SE of Bonner

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 56.3% Pickups 31.2% Commercial 11.7%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	495	831	642	701	702	781	629	845	700	95.00	86.82
February	495	780	703	701	858	791	685	780	744	96.78	94.01
March	641	776	743	762	779	835	788	753	781	96.42	98.31
April	711	872	840	827	843	925	776	835	861	96.78	109.02
May	740	780	814	784	870	854	781	820	809	96.78	109.02
June	645	781	762	781	799	864	720	788	790	95.00	98.57
July	620	776	765	760	672	776	791	737	782	96.18	96.23
August	731	864	854	830	858	827	765	831	864	96.18	109.02
September	725	788	842	864	839	765	700	829	845	97.04	107.06
October	646	781	765	843	870	939	791	829	842	96.18	105.63
November	620	788	780	795	730	814	676	742	781	95.00	96.88
December	558	781	780	649	730	827	676	702	741	94.74	91.65
Daily Average for Year	635	773	779	762	783	862	729	766	796	96.23	

RLL:Q:PRE:112.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-35 — Route FAS 210, 3.0 Miles SE of Bonner

Functional Class Major Collector — Traffic Type Secondary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1965	188	31	24.7	31	18.7	23	13.9	21	16.3				
1971	328	98	15.9	44	16.0	42	12.8	81	12.5				
1989	626	90	14.4	73	11.7	81	11.6	69	11.5				
1982	626	136	21.7	100	16.0	87	13.9	80	12.8				
1983	655	95	14.9	80	12.2	77	11.6	75	11.5				
1984	698	98	14.9	87	12.5	84	12.1	82	11.5				
1985	709	98	13.8	90	12.7	86	12.1	82	11.6				
1986	738	117	14.9	91	12.5	86	11.6	83	11.6				
1982	789	108	14.9	87	12.0	84	11.6	82	11.6				
1984	698	98	13.0	81	16.0	81	11.6	77	11.6				
1989	708	100	14.9	87	12.3	86	11.7	81	11.6				
1984	738	99	13.8	89	12.3	86	11.7	80	11.6				
1991	766	106	13.8	93	12.1	88	11.5	86	11.2				

PLL:Q:PRE:52.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-36 Year 1991

Location U.S. 2, 0.5 Miles W of Browning MP 221.2

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 45.5% Pickups 45.1% Commercial 5.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	775	732	690	800	848	803	796	799	803	99.50	60.96
February	1196	918	891	922	936	1207	1117	1027	975	105.34	57.75
March	1247	899	803	800	1076	1313	1139	1076	1207	105.04	60.96
April	1530	1284	1221	1209	1162	1139	1414	1341	1294	100.40	75.41
May	2111	2177	1796	1788	1883	2392	3085	2017	2009	100.40	113.43
June	3157	2264	2185	2175	2344	2922	2534	2534	2378	106.56	142.50
July	4134	3157	3012	3264	3435	3324	3885	3501	3324	105.32	196.88
August	3216	2727	2809	2573	2732	3329	2886	2886	2809	102.96	162.30
September	2220	2017	2009	2015	2114	2423	2157	2172	2009	100.40	122.14
October	1555	1645	1406	1432	1528	2089	1645	1575	1567	100.51	88.57
November	1190	1246	1118	1269	1143	1385	1282	1240	1239	100.08	69.73
December	1195	1137	1133	968	1144	1378	1195	1163	1151	101.04	65.40
Daily Average for Year	1961	1687	1575	1612	1695	2073	1844	1778	1728	102.89	

RLL:Q:PRE:113.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-36 Route U.S. 2, West of Browning

Functional Class Principal Arterial Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1966	904	231	25.6	193	21.3	174	19.2	168	18.6				
1971	1152	386	33.5	220	24.2	236	20.5	220	19.1				
1981	1504	287	19.1	256	17.0	244	19.2	241	16.0				
1982	1480	362	24.5	278	18.6	262	17.1	247	16.7				
1983	1597	236	18.4	264	18.5	252	15.8	243	15.2				
1986	1525	341	22.4	257	16.9	246	16.1	239	15.7				
1985	1488	287	19.1	257	17.3	245	16.5	238	16.0				
1986	1504	378	25.2	278	18.5	256	17.1	241	16.1				
1987	1701	512	30.1	410	24.1	374	22.0	333	19.6				
1986	1794	558	31.1	418	23.3	373	20.8	343	19.1				
1989	1662	383	23.0	312	18.8	295	17.7	282	16.9				
1990	1610	429	26.6	346	21.5	286	17.8	275	17.1				
1991	1778	550	30.9	431	24.2	385	21.7	364	20.5				

PLL:Q:PRE:53.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-37 Year 1991

Location South of Orange St. Bridge, in Missoula

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	9087	17595	18308	18164	18044	19958	12626	16105	17931	89.82	87.72
February	9998	17758	18615	18991	19183	20829	14021	19056	19075	89.82	92.90
March	10387	15291	18919	18164	19374	20882	14137	17245	19615	89.82	93.93
April	11087	20882	19868	19958	21407	22219	15316	98.32	20442	90.56	100.83
May	12987	19984	23869	23251	23319	25399	17056	21105	23222	90.88	114.95
June	13389	24257	23749	23849	23667	25732	17185	21267	24257	89.82	115.83
July	11990	22521	22257	22488	19428	20002	15291	19714	21828	90.32	107.37
August	11990	21505	21205	21309	21497	22506	14678	19272	21640	89.06	104.96
September	11547	18308	20279	20882	20151	21772	14864	17951	20064	89.47	97.77
October	10865	18308	19300	19756	19056	21091	15536	18044	19728	89.86	98.28
November	10382	18518	19726	19847	16603	20377	13812	17042	19079	89.32	92.82
December	10229	19768	19096	16439	18808	20781	14417	17008	19020	89.42	92.64
Daily Average for Year	11161	19893	20298	20303	19920	21962	14912	18360	20492	89.60	

RLL:Q:PRE:114.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-37 Route Orange St. Bridge - Missoula

Functional Class Principal Arterial Traffic Type Urban & City Street

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1990	11701	1418	12.1	1347	11.5	1918	11.3	1296	11.1				
1991	13679	1769	12.8	1678	12.3	1829	11.7	1570	11.5				
1981	15750	1816	11.5	1723	10.9	1700	10.9	1621	10.7				
1988	15626	2145	13.7	1957	12.5	1910	11.9	1823	10.7				
1983	16553	1918	11.6	1865	11.3	1829	11.9	1805	10.9				
1986	18360	2096	12.0	1857	11.1	1918	10.9	1779	10.7				
1985	16524	2434	14.7	1902	11.5	1618	11.9	1793	10.9				
1986	16838	1956	11.6	1847	11.0	1816	10.9	1800	10.7				
1981	16525	2096	12.8	1811	11.7	1769	10.9	1700	10.9				
1988	15685	1700	12.8	1644	10.5	1829	10.9	1592	10.3				
1986	15758	1731	12.0	1657	10.5	1618	10.4	1621	10.3				
1990	16749	2096	12.8	1957	11.7	1816	11.5	1570	10.7				
1991	18360	2267	12.8	2109	11.5	2077	11.9	2049	10.7				

PLL:Q:PRE:54.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-38 Year 1991

Location Mt. 200, 1.0 Miles W of Jordan, MP 211

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 34.1% Pickups 47.8% Commercial 15.3%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	223	245	316	246	246	276	246	234	241	97.09	55.06
February	249	257	276	259	261	314	261	262	276	94.93	61.65
March	350	309	309	353	357	351	257	327	338	96.75	76.94
April	314	358	354	352	338	373	246	335	355	94.37	78.82
May	446	521	465	428	668	522	338	458	613	97.24	107.77
June	521	509	428	491	527	570	431	501	514	97.47	117.88
July	613	585	532	581	535	572	696	556	557	98.82	130.82
August	669	668	566	532	608	696	613	660	628	100.48	148.24
September	455	544	493	515	528	571	406	505	531	95.10	118.82
October	558	505	668	495	528	628	566	531	521	101.92	124.94
November	397	377	384	435	363	668	389	696	406	97.54	93.18
December	397	362	384	327	338	623	324	668	389	100.60	85.88
Daily Average for Year	433	434	406	422	427	479	378	425	434	97.93	

RLL:O:PRE:115.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-38 Route Montana 200, West of Jordan

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1967	331	76	23.0	61	18.5	55	17.9	56	16.7				
1971	331	73	22.1	57	17.8	56	16.9	54	16.3				
1988	376	55	23.0	63	16.8	55	15.7	57	15.2				
1982	327	66	20.2	59	17.1	53	16.0	52	15.4				
1983	358	70	19.8	60	16.8	56	15.6	54	16.3				
1984	346	65	18.8	63	16.3	56	15.7	55	16.7				
1988	344	71	20.6	57	16.6	55	16.0	53	15.4				
1986	346	80	25.0	60	16.7	56	16.0	56	16.3				
1988	362	80	22.4	61	16.9	55	15.2	53	14.0				
1988	376	80	20.2	66	17.6	57	15.2	55	14.5				
1988	417	376	29.5	74	17.7	68	16.3	65	15.6				
1990	344	80	20.6	59	15.0	57	14.5	55	14.0				
1991	425	79	18.6	66	15.5	63	14.8	61	14.4				

PLL:Q:PRE:55.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-39 Year 1991

Location U.S. 89, 0.5 Miles N of Dupuyer, MP 75.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 46.7% Pickups 41.4% Commercial 6.4%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	138	178	360	186	194	252	217	192	132	101.15	49.17
February	899	239	235	223	135	264	822	241	231	104.33	61.72
March	275	223	217	233	795	273	271	194	245	100.00	65.04
April	367	334	329	348	268	368	360	368	329	102.74	86.56
May	899	448	368	336	360	478	438	424	410	103.41	108.58
June	627	477	478	509	536	576	573	543	515	105.44	139.05
July	979	368	822	231	536	217	360	368	844	102.13	220.74
August	899	794	846	758	768	508	217	795	776	100.00	203.58
September	557	536	536	493	528	536	515	526	520	101.15	134.70
October	243	251	204	231	220	315	254	238	234	101.71	60.95
November	138	138	123	147	135	160	368	141	141	100.00	36.11
December	132	124	122	112	360	164	194	132	132	100.00	33.80
Daily Average for Year	430	377	359	372	370	427	402	391	381	102.62	

RLL:Q:PRE:116.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-39 Route U.S. 89, North of Dupuyer

Functional Class Minor Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1967	443	211	47.6	126	28.4	110	20.6	106	24.4				
1971	507	146	26.8	132	26.0	126	24.9	102	24.1				
1967	507	130	24.7	116	22.0	108	20.5	106	20.7				
1982	517	220	42.6	132	25.5	102	20.7	106	20.5				
1983	537	123	22.9	132	21.8	110	20.7	107	19.9				
1986	517	126	26.0	108	21.1	105	20.6	102	20.0				
1985	471	110	23.4	100	21.2	97	20.6	95	20.2				
1986	517	123	23.8	106	25.5	101	19.5	99	19.2				
1987	484	126	26.0	106	21.9	101	20.5	98	20.2				
1985	467	118	25.6	109	23.6	105	20.6	101	21.9				
1985	437	140	32.0	110	25.1	101	20.6	99	20.7				
1990	467	152	32.0	116	25.5	129	20.6	125	20.6				
1987	391	109	27.9	98	25.1	95	20.6	93	23.8				

PLL:Q:PRE:56.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-40 Year 1991

Location Frontage Rd., 2.5 Miles N of Wolf Creek

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	102	93	85	84	375	100	144	100	87	114.94	34.43
February	219	119	100	84	96	104	220	135	102	132.36	46.48
March	231	119	106	105	104	112	225	135	106	131.14	47.86
April	660	214	224	185	187	256	403	272	214	127.10	93.66
May	668	402	214	311	306	369	500	399	334	119.96	137.39
June	511	342	362	356	362	417	560	411	369	131.14	141.52
July	827	439	578	568	306	676	769	625	565	110.62	215.21
August	770	439	470	519	485	80	725	570	498	114.46	196.27
September	511	359	214	119	331	396	412	375	369	111.94	129.13
October	608	189	214	192	184	224	274	214	214	109.35	80.57
November	181	138	128	105	100	120	173	138	100	114.46	47.52
December	102	73	80	71	80	96	109	80	80	108.75	29.96
Daily Average for Year	418	246	243	242	246	285	373	290	252	115.08	

RLL:Q:PRE:117.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-40 Route Wolf Creek Frontage Road

Functional Class Major Collector Traffic Type Frontage Road - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	100	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1968	190	55	50.0	42	38.2	39	35.5	36	32.7				
1981	137	55	40.1	39	29.9	39	28.5	36	26.3				
1981	190	85	45.2	63	33.5	57	30.1	55	29.3				
1968	190	85	44.7	67	35.3	86	33.7	67	32.3				
1983	209	89	42.6	71	34.0	69	31.1	63	32.3				
1984	223	190	50.0	75	33.6	69	30.9	67	32.3				
1988	209	94	40.1	78	36.4	71	33.3	67	31.5				
1986	217	86	39.6	78	36.4	78	34.1	70	32.3				
1987	232	85	42.2	78	33.6	78	31.0	67	28.9				
1988	244	190	41.8	63	34.0	78	32.0	75	30.7				
1989	270	149	55.2	95	35.2	84	31.1	77	28.5				
1990	274	124	45.3	85	31.0	78	28.5	76	27.7				
1991	290	95	32.8	86	29.7	81	27.9	76	26.2				

PLL:Q:PRE:57.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-41 Year 1991

Location I-90, 7.5 Miles E of Livingston, MP 342

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 44.0% Pickups 36.2% Commercial 15.2%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	3766	3002	3095	3002	3002	4312	3901	3532	3427	103.06	57.33
February	5065	3891	3668	3934	4420	5117	4999	4461	4233	105.39	72.41
March	5065	3891	4143	4574	5117	5975	5586	5117	4233	106.19	83.06
April	5597	4953	4673	4652	4615	5502	5586	4993	4873	102.46	81.05
May	6779	6141	5553	5807	6060	7294	6433	6287	6175	103.37	102.05
June	9186	7191	7176	7564	8194	3891	4233	8236	7881	104.50	133.68
July	10323	8349	8110	8686	8447	5506	5117	8895	8605	103.37	144.38
August	10457	8485	8226	8585	8807	10380	5531	9294	5586	103.73	150.85
September	7824	6984	6440	6557	6860	8189	7527	7881	7005	102.94	117.05
October	6522	5404	5365	5531	8189	7881	6777	6141	5964	102.97	99.68
November	5374	4594	4773	5023	4649	5467	5467	5117	4928	103.02	82.41
December	5514	4029	4058	3770	4420	5330	5789	4685	4296	109.50	76.05
Daily Average for Year	6859	5589	5440	5654	5934	7020	6600	6161	5931	103.88	

RLL:Q:PRE:118.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-41 Route I-90, East of Livingston

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1969	2511	689	16.9	375	14.9	359	14.3	686	13.9				
1971	3030	562	18.5	437	14.4	407	13.4	397	13.9				
1981	4490	689	15.3	589	13.1	559	12.4	547	12.7				
1982	4442	799	16.1	614	13.8	574	13.3	574	12.5				
1983	4622	799	17.3	655	14.2	622	13.0	583	12.5				
1984	4755	742	15.6	652	13.7	622	13.7	599	12.9				
1989	4767	747	15.7	806	13.6	616	12.5	596	12.5				
1986	4911	689	16.9	714	14.5	668	13.6	686	13.2				
1987	5384	866	16.9	768	13.5	772	13.0	686	12.7				
1986	5559	942	16.9	760	13.7	729	13.1	705	12.7				
1989	5964	689	16.9	806	13.5	772	12.9	757	12.7				
1986	6248	926	16.9	821	13.1	799	12.5	788	12.5				
1991	6161	799	16.9	870	14.1	841	13.7	574	13.2				

PLL:Q:PRE:58.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-42 Year 1991

Location 26th St. N, Between 4th & 5th Aves. in Great Falls

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1920	3035	2782	3399	3388	3805	2474	2847	3073	92.65	88.67
February	2183	3182	3273	3364	3144	3466	2775	3055	3786	92.97	95.15
March	2184	3109	3157	3399	3461	3446	2985	3114	3908	92.49	96.99
April	2456	3502	3446	3578	3388	3677	3109	3312	3505	94.46	103.16
May	2639	3338	3446	3750	3298	3832	3139	3475	3679	94.46	108.23
June	2598	3908	3908	3807	3823	4023	3209	3563	3908	91.52	110.97
July	2598	3900	3071	3807	3609	3972	3071	3582	3842	93.23	111.57
August	2456	3571	3574	3750	3298	3805	2903	3415	3706	92.78	106.36
September	2158	3167	3473	3423	3433	3533	2773	3109	3314	91.48	96.71
October	2137	3229	3258	3365	3290	3537	2729	3109	3331	93.07	96.55
November	2114	3183	3124	3267	2824	3109	2572	2993	3114	92.78	90.11
December	2171	3214	3321	3191	3347	3413	2932	3067	3295	93.08	95.53
Daily Average for Year	2301	3382	3391	3505	3414	3592	2889	3211	3457	92.88	

RLL:Q:PRE:119.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-42 Route 26th Street N inn Great Falls

Functional Class Minor Arterial Traffic Type City Arterial

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1982	2424	433	17.9	299	12.3	282	11.6	276	11.4				
1981	2852	392	13.7	325	11.8	315	11.0	315	10.9				
1982	2860	872	30.5	338	11.8	329	11.8	322	11.3				
1983	3059	402	13.1	338	12.6	354	11.6	348	11.4				
1984	3173	431	13.6	385	12.1	374	11.8	362	11.4				
1985	3130	522	16.1	407	13.0	394	12.6	385	10.9				
1988	3130	469	15.0	375	12.0	359	11.8	359	11.8				
1987	3087	359	12.7	365	11.8	359	11.4	348	11.2				
1988	3013	426	14.1	373	12.4	352	11.8	348	11.8				
1989	2848	410	14.4	369	12.9	350	12.3	341	12.0				
1990	3055	446	14.6	375	12.3	358	11.7	350	11.5				
1991	3211	447	13.9	384	12.0	371	11.6	365	11.4				

PLL:Q:PRE:59.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-43 Year 1991

Location U.S. 191, 1.5 Miles N of MT 64 (Big Sky), MP 49.8

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 36.5% Pickups 46.9% Commercial 13.9%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1895	1532	1529	1619	1723	2712	2175	1769	1676	105.55	75.88
February	2370	1851	1742	1978	1975	2296	2533	2051	1947	107.40	89.69
March	2069	1730	1701	1815	1909	2351	2577	2108	1939	108.72	90.42
April	1501	1485	1454	1452	1436	1563	1483	1851	1477	100.00	63.53
May	1805	1769	1619	1723	1727	1920	1746	1775	1775	100.00	76.14
June	3081	2889	2743	2689	2895	3269	2716	2927	2896	101.14	125.56
July	3767	3514	3545	3653	3509	3911	3631	3640	3619	100.58	156.14
August	3767	1485	3487	1909	3591	3894	3675	3627	3601	100.72	155.58
September	2705	2712	2895	2689	2778	3053	2716	2757	2777	99.28	118.26
October	2053	2000	2024	1619	2089	2331	1978	2051	2064	99.37	87.98
November	1718	1593	1717	1746	1483	1830	1909	1744	1710	101.99	74.81
December	2069	1804	1814	1646	1921	2064	2175	2005	1959	102.35	86.01
Daily Average for Year	2418	2180	2177	2210	2273	2594	2459	2331	2287	101.92	

RLL:Q:PRE:120.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-43 Route U.S. 191, 1.5 Miles N of Montana 64 (Big Sky)

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1972	1240	220	17.7	201	16.2	192	15.5	188	15.2				
1981	1483	250	17.5	201	15.6	219	14.8	215	14.5				
1982	1492	302	20.2	246	16.5	299	15.8	220	15.2				
1983	1677	277	16.8	247	14.7	299	14.8	235	14.0				
1984	1997	305	20.4	220	16.3	253	15.0	246	14.5				
1985	1780	321	16.0	246	15.1	258	14.5	250	14.0				
1986	1772	305	17.2	267	15.1	258	14.5	246	14.0				
1987	1900	305	16.8	267	14.1	250	13.9	257	13.5				
1984	1997	299	15.0	274	13.7	267	13.4	262	13.1				
1989	2098	450	21.4	314	15.0	296	14.1	287	13.7				
1990	2243	357	15.9	326	14.5	311	13.9	301	13.4				
1991	2331	544	23.3	338	14.5	325	13.9	317	13.6				

PLL:Q:PRE:60.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-44
Location Big Mountain Road

Year 1991

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2262	1344	1680	1915	2043	2464	3408	2132	1888	112.92	131.62
February	3565	2088	1791	2125	2084	2833	4135	2679	2210	121.23	190.52
March	2938	1924	1858	2024	2123	2464	3661	2518	2145	117.39	179.06
April	1067	966	819	935	966	1124	1393	1029	956	107.64	73.18
May	533	414	402	658	394	402	779	477	415	114.94	33.92
June	769	621	629	667	733	743	897	733	678	107.67	51.91
July	1384	1888	1367	1309	1273	1510	1573	1363	1323	103.02	96.94
August	1728	1283	1378	1402	1371	1620	1737	1511	1420	106.41	107.46
September	1304	860	904	908	837	914	1034	924	883	104.64	65.71
October	414	509	542	542	543	561	374	502	540	92.96	35.70
November	296	502	644	658	871	905	730	679	740	91.76	48.28
December	2642	2168	2172	1691	2084	2444	3117	2330	2117	110.06	165.70
Daily Average for Year	1550	1162	1182	1215	1288	1521	1903	1406	1276	110.19	

RLL:Q:PRE:121.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-44 Route Big Mountain Ski Road

Functional Class Major Collector Traffic Type Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	631	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1974	575	482	83.1	371	64.5	282	49.0	254	44.1				
1981	673	575	85.4	400	59.4	321	47.7	282	41.9				
1982*													
1983	1037	681	88.7	502	53.2	482	46.5	424	40.6				
1984	1082	764	70.6	666	61.6	565	52.2	502	48.0				
1985**													
1986	947	605	88.7	582	62.0	550	58.1	520	54.9				
1988	927	605	65.3	495	53.4	467	50.4	445	48.0				
1988	1064	583	54.8	524	49.2	463	43.5	432	40.6				
1989	1204	737	61.2	530	44.0	493	40.9	441	36.6				
1990	1286	655	50.9	503	39.1	473	36.8	439	34.1				
1991	1406	771	54.8	609	43.3	514	36.6	487	34.6				

*Out of service

**Removed

PLL:Q:PRE:61.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-45
Location Hungry Horse Dam Road

Year 1991

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars %

Pickups %

Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	80	18	23	173	27	28	57	35	23	152.17	9.09
February	230	53	46	86	57	79	149	54	57	166.67	326.38
March	195	49	53	39	57	75	113	66	54	166.28	22.35
April	330	130	86	136	154	136	247	154	149	146.67	40.02
May	413	275	225	224	227	283	420	290	247	117.41	75.36
June	869	457	505	524	488	521	717	596	498	119.68	154.87
July	1606	1060	1138	1159	1220	1256	1458	1256	1169	108.28	326.38
August	1686	1106	1079	1053	1107	1183	1461	1238	1109	111.63	321.70
September	742	542	449	464	448	464	542	525	470	111.70	136.42
October	869	149	143	136	147	173	298	192	147	130.61	49.89
November	164	57	55	52	61	88	127	88	64	137.50	22.87
December	120	38	47	34	49	55	96	63	44	143.18	16.37
Daily Average for Year	563	325	321	319	331	362	474	349	332	105.12	

RLL:Q:PRE:122.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-45 Route Hungry Horse Dam Road

Functional Class Minor Collector Traffic Type Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1976	434	295	48.4	148	33.4	138	31.8	115	30.2				
1981	333	148	55.2	132	39.6	121	36.3	110	39.3				
1982	295	135	55.9	134	45.4	124	42.0	116	39.3				
1981	295	169	57.3	108	45.8	123	41.7	115	39.3				
1976	272	146	53.8	124	45.6	112	41.2	110	39.3				
1985	273	148	53.8	120	43.9	138	40.7	109	39.3				
1986	252	169	55.2	121	47.6	115	45.6	108	42.9				
1987	269	148	55.2	128	47.6	110	43.5	110	40.9				
1982	284	148	52.1	129	45.4	108	38.0	100	30.2				
1989	334	186	55.7	155	46.4	145	43.4	137	41.0				
1990	376	208	55.3	177	47.1	165	43.9	156	41.5				
1991	349	241	69.1	181	51.9	169	48.4	155	44.4				

PLL:Q:PRE:62.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-46 Year 1991

Location U.S. 2, 9.0 Miles W of Havre, MP 372.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 54.7% Pickups 36.6% Commercial 7.7%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	861	891	887	981	987	1134	1033	962	967	99.48	69.70
February	873	1009	1064	1048	988	1273	1046	1043	1086	96.94	75.57
March	1429	1128	1128	1154	1225	1321	1142	1154	1092	97.22	83.61
April	1214	1293	1092	1271	1278	1511	1092	1092	1321	99.32	95.06
May	1490	1546	1466	1469	1518	1691	1414	1518	1541	98.51	109.99
June	1768	1572	1928	1501	1033	1321	1658	1611	1560	103.27	116.73
July	2144	2006	1953	2019	2065	2083	2017	2036	2021	100.74	147.52
August	2118	2022	1928	2004	2018	2106	2005	2029	2018	100.55	147.01
September	1429	1928	1519	1545	1560	1671	1658	1536	1577	97.40	111.29
October	1053	1260	1260	1218	1264	1478	1196	1260	1287	96.74	90.21
November	900	1053	1028	1087	1028	1161	1092	1050	1086	96.69	76.07
December	861	1920	1092	971	1092	1227	1092	1066	1091	97.71	77.24
Daily Average for Year	1317	1369	1354	1356	1373	1521	1370	1380	1394	98.99	

RLL:Q:PRE:123.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-46 Route U.S. 2, West of Havre

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	1318	233	17.7	197	14.9	178	13.9	173	13.1				
1981	1427	236	16.5	201	14.1	191	13.2	182	12.8				
1982	1366	252	17.7	194	14.4	191	13.9	183	13.6				
1983	1338	222	16.1	200	14.9	194	14.0	189	13.7				
1984	1326	191	14.4	171	12.9	165	12.4	160	12.1				
1985	1252	201	16.1	177	14.8	191	13.3	164	13.1				
1986	1293	196	15.3	190	14.2	178	13.9	172	13.1				
1987	1326	194	14.6	182	13.9	174	13.1	196	12.8				
1988	1364	232	17.7	190	13.9	191	13.3	177	13.0				
1989	1352	278	20.6	191	14.1	186	13.8	183	13.5				
1990	1427	253	17.7	212	14.9	206	14.4	200	14.0				
1991	1380	221	16.0	194	14.1	187	13.6	183	13.3				

PLL:Q:PRE:63.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-47
Location U.S. 93, 1.0 Miles N of Florence, MP 73.7

Year 1991

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 61.4% Pickups 27.3% Commercial 7.1%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	3567	6679	4434	6381	4862	5204	4643	6992	4759	96.45	76.00
February	4464	5023	5119	5144	5346	5180	5387	5180	5277	98.17	85.77
March	4464	5279	5320	5536	5600	5180	5346	5348	5558	96.23	88.55
April	4982	5957	5800	6115	6025	6484	6709	5965	6360	97.75	98.76
May	5807	6088	6420	6381	6469	6992	6258	6360	6492	97.97	105.30
June	5844	6679	6760	6789	6918	7416	6640	6469	6918	96.77	110.75
July	6418	7133	7122	7344	7002	7728	7286	7132	7271	98.09	118.09
August	6354	7122	7179	7180	7286	7948	7137	7200	7368	97.72	116.89
September	5844	6420	6770	6666	6381	7308	6497	6566	6799	96.57	108.71
October	5007	6136	6416	6448	6455	7308	6324	6313	6538	98.09	104.53
November	4340	5489	5800	6088	5622	6170	5357	5579	5868	95.07	92.37
December	4389	5890	5738	5358	5748	6220	5694	5554	5793	95.87	91.96
Daily Average for Year	5100	5971	6108	6158	6184	6712	6043	6040	6228	96.98	

RLL:Q:PRE:124.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-47 Route U.S. 93, N of Florence

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	48	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	4436	593	11.5	488	11.0	475	10.8	465	10.6				
1981	4491	558	12.4	489	10.9	468	10.8	471	10.5				
1987	4357	516	11.4	474	10.9	468	10.8	460	10.5				
1981	4838	587	12.1	545	11.3	570	10.9	521	10.6				
1984	5000	575	11.5	537	10.9	524	10.8	519	10.4				
1985	5039	574	11.4	543	10.8	526	10.4	519	10.3				
1986	5047	625	12.4	543	10.8	533	10.4	526	10.4				
1987	5272	593	11.2	556	10.9	548	10.4	541	10.3				
1987	5467	671	12.3	545	10.8	570	10.4	559	10.2				
1989	5497	669	12.2	599	10.9	579	10.5	562	10.2				
1990	5765	678	11.8	623	10.8	606	10.5	595	10.3				
1991	6040	719	11.9	649	10.7	630	10.4	620	10.3				

PLL:Q:PRE:64.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-48 Year 1991

Location U.S. 287, 6.7 Miles W of Jct. US 191 (Hebgen Dam), MP 6.9

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 40.8% Pickups 44.0% Commercial 8.6%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	100	54	62	56	80	66	115	98	66	116.66	16.73
February	173	88	62	70	80	108	104	99	789	130.49	23.25
March	181	70	66	67	80	100	108	99	81	122.23	21.51
April	100	98	103	67	80	104	130	108	86	114.93	23.47
May	552	108	820	286	291	108	468	372	820	114.93	80.83
June	1004	732	813	809	859	820	932	372	820	106.10	189.03
July	1568	1304	1327	1385	1483	1521	1559	1439	1395	103.15	312.66
August	1312	1127	1164	1109	1144	1178	1278	1191	1149	103.66	258.77
September	866	715	683	665	288	756	763	742	709	104.65	161.22
October	375	261	257	241	288	820	345	288	263	109.51	62.56
November	181	110	130	125	137	164	213	108	134	114.93	33.46
December	95	66	80	67	73	81	98	98	66	110.14	16.51
Daily Average for Year	544	417	423	413	441	472	516	460	432	106.48	

RLL:Q:PRE:125.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-48 Route U.S. 287, E of Hebgen Dam

Functional Class Minor Arterial Traffic Type Primary - Recreational

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	312	128	43.3	113	36.2	103	33.0	128	32.7				
1981	373	159	43.3	134	35.9	128	33.5	128	32.6				
1982	373	159	42.6	146	39.1	139	37.3	133	35.7				
1983	382	119	45.8	135	36.1	131	34.9	128	33.5				
1984	373	156	43.3	133	36.5	130	34.9	128	34.3				
1985	366	147	40.2	133	36.3	123	33.5	120	32.8				
1986	371	163	43.3	133	36.7	128	34.9	128	32.6				
1987	375	226	43.3	122	32.5	116	31.5	116	30.9				
1988	365	159	43.3	136	37.3	123	33.7	119	32.6				
1989	389	164	42.2	136	35.0	127	32.6	123	31.6				
1990	410	147	35.9	135	32.9	127	31.0	124	30.2				
1991	460	171	37.2	149	32.4	144	31.3	140	30.4				

PLL:Q:PRE:65.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-49 Year 1991

Location Mt. 39, 0.5 Miles S of I-94, MP 50.7

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.8% Pickups 34.5% Commercial 21.0%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	661	759	711	772	938	750	761	759	807	96.09	90.05
February	545	803	802	802	807	924	938	819	1043	96.47	85.33
March	661	853	759	881	924	1004	807	883	934	93.47	90.95
April	699	1051	1037	1008	1004	1153	924	1004	1074	93.48	104.60
May	911	1056	1163	1130	1154	1282	1129	1027	1157	96.89	116.79
June	930	1217	1004	1232	1261	1379	1092	1165	1263	92.24	121.38
July	734	1004	1143	1232	956	1004	759	924	1037	92.60	102.93
August	813	1092	1379	1069	1193	1221	834	1047	1137	92.08	109.08
September	661	968	1043	969	1063	1202	759	968	1045	92.63	100.85
October	664	951	924	979	1072	1379	956	881	1027	94.55	101.16
November	771	993	908	1008	900	972	828	924	970	96.89	90.95
December	616	924	881	883	1004	1032	867	883	946	93.34	92.00
Daily Average for Year	706	977	989	988	1030	1130	903	960	1023	93.84	

RLL:Q:PRE:126.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-49

Route Montana 39, Just S. of I-94

Functional Class Minor Arterial

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1980	1394	163	25.5	256	21.6	237	20.0	216	18.2				
1981	1394	457	32.8	347	24.9	281	20.0	256	18.4				
1982	1752	495	28.3	448	25.6	410	23.4	371	20.2				
1983	1705	404	23.7	390	22.9	163	21.6	344	20.2				
1984	1166	288	22.6	237	20.3	214	18.4	200	17.2				
1985	881	177	19.8	152	16.2	141	15.2	134	18.2				
1986	881	174	19.8	138	15.7	133	15.1	127	14.5				
1987	904	150	19.8	136	15.0	127	14.5	122	13.5				
1988	939	163	19.8	144	15.7	139	15.2	129	14.1				
1989	958	208	21.7	161	16.8	151	15.8	148	15.4				
1990	988	191	19.3	166	16.8	155	15.7	147	14.9				
1991	960	197	20.5	148	15.4	138	14.4	133	13.9				

PLL:Q:PRE:66.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-50 Year 1991

Location Main St., Between Milton Rd. & Hansen Lane in Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	17076	25550	23831	25949	25787	29080	23435	24464	25928	94.68	85.99
February	21283	28113	28174	28859	28740	32566	29487	26170	29290	94.95	99.03
March	22134	28705	28375	29707	29949	30152	29080	28312	29517	95.92	99.51
April	21562	30340	30038	29938	28177	31917	29080	28627	29876	95.82	100.62
May	22872	28375	31316	33308	30348	34921	29952	30340	31706	95.69	106.64
June	23843	32390	31648	31978	32527	35621	31097	31450	30340	94.55	109.14
July	24066	33108	32192	33460	30482	34640	30152	31458	32970	95.41	110.57
August	24648	33562	33355	33297	33389	30509	30436	32303	34119	94.68	113.54
September	23089	29458	32049	32025	32049	35565	30950	30509	32192	94.77	107.24
October	21433	29080	30513	30447	31648	36443	31198	30182	31526	95.74	106.09
November	24648	29450	30014	28629	29892	30911	26909	27560	29031	94.93	96.87
December	21347	30497	30556	26170	29892	32281	26909	28425	29938	94.95	99.91
Daily Average for Year	22000	29902	30226	30027	29907	33558	29235	29284	30744	95.25	

RLL:Q:PRE:127.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-50 Route Main Street - Billings

Functional Class Principal Arterial Traffic Type Primary - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	25085	2468	9.8	2502	9.9	2359	9.4	2333	9.3				
1982	25471	2635	10.6	2547	10.0	2498	9.9	2389	9.9				
1983	26795	2882	10.6	2747	10.8	2701	10.1	2638	9.9				
1984	27925	2889	10.6	2772	9.9	2732	9.9	2682	9.4				
1985	27711	3124	11.3	3051	10.8	2905	10.5	2866	10.1				
1986	28780	3051	10.6	2982	10.8	2932	10.2	2901	10.1				
1987	28262	3034	10.7	2802	9.9	2844	9.9	2729	9.6				
1988	28749	3255	11.3	2894	10.1	2841	9.9	2797	9.7				
1989	27723	3445	10.6	2934	10.8	2844	10.3	2815	10.2				
1990	28947	3357	11.6	3085	10.7	2992	10.3	2931	10.1				
1991	29284	3105	10.6	2995	10.2	2962	10.1	2937	10.0				

PLL:Q:PRE:67.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-51 Year 1991

Location Broadwater, Between 22nd & Gay Place in Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	9649	12454	11528	12883	12635	13933	12558	12229	12621	96.89	90.73
February	10436	12113	12088	12527	12371	13746	13998	12349	12569	95.05	91.62
March	10462	13389	12873	13449	13620	14617	13922	13172	13639	96.58	97.72
April	10880	13922	13725	13644	13540	14877	13868	13466	13863	97.14	99.90
May	11180	12957	14364	14450	14202	15550	14417	13957	14360	97.19	103.55
June	11436	14712	14788	14658	15162	13863	14176	14877	15162	94202	106.66
July	10690	14877	14732	14924	13191	15068	13124	13868	14584	95.26	103.07
August	11188	13177	13594	14106	14319	15068	13443	13868	14314	96.14	102.09
September	10436	13063	14367	14617	14436	15836	13998	13863	14396	95.05	101.52
October	9870	13177	13821	14128	14091	15068	14191	13638	14098	96.09	101.18
November	10245	13576	13868	13490	11807	15107	13676	13171	13868	96.89	97.72
December	11188	14862	148126	12813	14662	15831	14567	14051	14619	96.89	104.24
Daily Average for Year	10629	13543	13699	13819	13667	15187	13758	13479	13994	96.32	

RLL:Q:PRE:128.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-51 Route Broadwater Ave. - Billings

Functional Class Minor Arterial Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1983	13058	1562	11.3	1415	10.3	1363	10.4	1320	10.1				
1982	13850	1508	11.3	1423	10.7	1397	10.5	1366	10.4				
1983	13579	1464	11.3	1443	10.6	1421	10.5	1402	10.3				
1988	13579	1562	11.3	1447	10.7	1404	10.3	1393	10.3				
1985	14339	1575	11.3	1500	10.5	1404	10.1	1451	10.1				
1988	14243	1540	11.3	1464	10.3	1433	10.1	1417	10.0				
1988	13850	1402	11.3	1409	10.2	1385	10.3	1366	9.9				
1988	13714	1543	11.3	1471	10.2	1412	10.1	1384	10.1				
1988	13692	1627	11.3	1473	10.3	1437	10.5	1409	10.3				
1990	13894	1675	12.1	1576	11.3	1500	10.8	1464	10.5				
1991	13479	1556	11.5	1423	10.6	1382	10.3	1356	10.1				

PLL:Q:PRE:68.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-52 Year 1991

Location Old Hardin Rd., Between Peters & Piccolo in Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1603	2307	2068	2740	2322	2458	2196	2270	2265	95.85	79.89
February	2002	2511	2434	2501	2497	2737	2534	2458	2534	97.11	90.46
March	2105	2582	2473	2659	2882	2879	2741	2583	2662	97.11	95.05
April	2105	2819	2868	2740	2642	2397	2879	2458	2778	96.98	99.14
May	2235	2434	3026	2997	3055	3159	2534	2805	3022	96.98	106.91
June	2495	3048	3295	3247	3255	3504	3307	3161	3292	96.02	116.33
July	2286	3295	3299	3275	3142	3295	2888	3159	3264	94.64	113.68
August	2307	3167	3159	3185	3201	3369	2805	3040	3227	94.21	111.87
September	2257	2866	3091	3163	3022	3378	2970	2950	3111	96.67	108.56
October	2154	2814	2824	2950	2534	3254	2868	2760	2882	96.67	102.53
November	1996	2738	2717	2709	2349	2868	2397	2511	2636	95.26	92.41
December	1830	2432	2433	2073	2283	2462	2329	2260	2345	96.38	83.17
Daily Average for Year	2122	2800	2794	2795	2779	3004	2722	2717	2835	95.83	

RLL:Q:PRE:129.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-52 Route Old Hardin Road - Billings

Functional Class Major Collector Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	5945	645	10.8	621	10.4	612	14.8	603	10.1				
1982	6164	78	12.7	697	11.3	677	11.2	669	10.9				
1983	6374	768	12.1	723	11.3	709	11.1	690	10.8				
1984	6664	792	16.3	748	11.2	733	11.2	720	10.8				
1985	6754	824	12.7	782	11.6	7[illegible]	11.2	748	11.1				
1986	6762	820	12.1	7[illegible]	11.6	7[illegible]	11.2	7[illegible]	11.1				
1987	5046	823	16.3	776	10.4	749	14.8	737	14.8				
1988	2918	385	13.2	339	11.6	385	11.1	317	10.9				
1989	2712	385	16.3	319	11.6	310	11.4	305	10.8				
1990	2717	413	15.2	342	12.6	323	11.9	312	11.5				
1991	2717	353	13.0	333	12.3	319	11.7	315	11.6				

PLL:Q:PRE:69.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-53 Year 1991

Location U.S. 12, 36.6 Miles E of I-94, Near Locate, MP 36.6

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 42.2% Pickups 38.0% Commercial 16.2%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	218	269	277	305	300	360	290	289	301	96.01	75.26
February	271	277	319	303	337	434	382	332	334	99.41	86.46
March	312	324	306	365	356	382	300	335	337	99.41	87.24
April	276	344	303	319	299	301	276	336	330	95.76	82.29
May	403	438	411	397	368	457	420	413	412	100.24	107.55
June	439	467	438	429	459	519	436	459	462	98.05	117.97
July	477	447	438	454	438	520	420	455	481	99.56	118.49
August	484	467	493	438	473	539	464	481	486	99.38	125.26
September	352	383	404	411	438	474	397	406	405	96.81	105.73
October	379	391	365	358	383	520	429	383	390	100.77	102.35
November	283	336	396	364	377	432	351	367	377	96.81	95.57
December	322	300	346	358	308	460	390	368	374	99.41	95.83
Daily Average for Year	351	369	378	370	385	453	384	384	390	98.46	

RLL:Q:PRE:130.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-53 Route U.S. 12, East of Miles City

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1981	581	123	21.1	76	13.9	70	12.9	68	19.1				
1982	535	86	16.1	75	14.0	70	19.1	69	12.9				
1983	573	75	16.6	83	14.8	70	19.3	76	13.3				
1984	581	178	16.6	120	20.7	82	14.1	78	13.4				
1985	543	128	19.2	80	14.7	72	19.1	68	12.5				
1986	547	79	14.4	73	13.4	70	12.9	68	12.4				
1987	542	76	17.5	76	13.9	69	12.9	67	12.4				
1987	489	70	15.1	88	13.9	65	13.3	63	12.9				
1987	178	128	32.2	89	22.4	82	20.6	76	19.1				
1990	414	108	26.1	86	20.8	79	19.1	72	17.4				
1991	384	62	16.1	56	14.6	53	13.8	52	13.5				

PLL:Q:PRE:70.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-54 Year 1991

Location 19th St. W, Between Wyoming & Yellowstone Ave. in Billings

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars % Pickups % Commercial %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	3816	6671	5783	6448	6400	7091	5455	5931	6381	92.95	86.01
February	4663	6698	6771	6768	6975	7389	6633	6548	6926	94.73	95.15
March	4718	6973	6698	7049	7300	7433	6739	6682	7888	93.64	96.90
April	5717	7342	7639	7423	7266	7639	6545	7832	7536	95.57	104.44
May	5118	7920	7929	7849	7888	8312	7346	7420	7833	94.73	107.61
June	5226	7739	7371	7449	7671	8295	6867	7152	7155	92.82	103.72
July	5167	7891	7762	7776	7144	6698	6671	7091	7741	93.93	105.45
August	4969	7665	7324	7849	7442	8113	6495	7091	7612	93.16	102.84
September	4762	6771	7741	7618	7522	8479	6749	7091	7585	92.33	101.56
October	4334	6853	7144	7255	7155	7905	6545	6784	7252	93.55	98.38
November	4482	6749	7183	6936	6017	7463	6530	6540	6935	94.30	94.84
December	5170	7832	7665	6371	7652	7762	7245	7155	7585	94.47	103.10
Daily Average for Year	4845	7617	7266	7208	7203	7884	6677	6896	7347	93.86	

RLL:Q:PRE:131.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-54 Route 19th Street W - Billings

Functional Class Collector Traffic Type Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1984	5450	875	16.1	664	12.[illegible]	ADT	11.9	637	11.7				
1985	5920	861	14.5	727	12.3	710	12.0	698	11.[illegible]				
1986	5846	7[illegible]0	13.5	718	12.3	690	11.8	674	11.[illegible]				
1987	5[illegible]46	761	12.[illegible]	681	11.5	665	11.2	654	11.0				
1987	5803	710	12.2	667	11.5	653	11.3	643	11.1				
1989	5670	754	13.3	696	12.3	670	11.8	657	11.6				
1990	6939	926	13.3	889	12.8	854	12.3	835	12.0				
1991	6896	892	12.9	822	11.9	790	11.5	771	11.2				

PLL:Q:PRE:71.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-55 Year 1991

Location U.S. 12, 2.5 Miles E of Ryegate, MP 133

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 55.8% Pickups 27.6% Commercial 14.2%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January											
February											
March											
April*	997	986	906	918	884	1087	955	945	944	100.12	
May	1345	1325	1090	1122	1200	1484	1326	1270	1248	101.76	
June	1688	1390	1090	1293	1424	1683	1390	1450	1407	102.91	
July	1822	1438	1341	1431	1398	1710	1470	1502	1452	103.44	
August	1734	1390	1234	1284	1334	1723	1390	1445	1405	102.85	
September	1344	1264	1398	1107	1390	1460	1398	1239	1223	103.30	
October	1295	1390	1204	1081	1126	1087	1390	1390	1152	103.30	
November	1125	995	985	973	955	1390	1035	1024	1002	102.20	
December	1012	881	855	808	972	1080	993	940	914	102.84	
Daily Average for Year	1374	1194	1085	1113	1161	1425	1219	1223	1194	102.43	

*New location, 9 months of data.

RLL:Q:PRE:132.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-55 Route U.S. 12, E of Ryegate

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1991*	1223	444	36.3	346	28.3	327	26.7	306	25.0				

*Data based on 9 months of operation

PLL:Q:PRE:72.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-56 Year 1991

Location U.S. 93, 2.5 Miles N of Hamilton, MP 51

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 58.9% Pickups 30.3% Commercial 7.6%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							**AVERAGE DAY** Sunday thru Saturday	**AVERAGE WEEKDAY** Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	3987	5824	5588	6263	6231	6907	5508	5785	6146	94.13	76.29
February	6831	6493	6816	6605	6851	7382	6226	6923	6787	94.71	84.77
March	4859	6945	6997	7097	7130	7765	6490	6717	7214	93.11	88.58
April	5238	7472	7497	7454	7477	8297	7937	7238	8085	94.92	95.46
May	5933	7311	7973	7956	8085	8818	7311	7701	8076	95.36	101.56
June	6310	8086	8583	8461	8634	9387	7797	6945	8876	93.71	107.47
July	6891	9144	9036	9263	8876	9836	9387	8772	9171	95.65	115.68
August	6831	9506	9552	7797	9910	10695	8734	9331	9922	94.04	123.06
September	6635	8583	9932	9735	8772	10508	8306	8977	9662	92.91	115.62
October	5801	8350	6945	8461	9910	9387	7474	8086	9910	94.13	106.64
November	4873	7201	7624	7764	6927	7937	6503	6992	7512	93.08	92.21
December	4854	7521	7503	6393	7245	7777	6561	6816	7308	93.27	89.89
Daily Average for Year	5588	7738	7932	7935	7952	8725	7198	7583	8059	94.09	

RLL:Q:PRE:133.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-56 Route U.S. 93, N of Hamilton

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1988	5853	733	12.5	655	11.2	630	10.9	674	10.6				
1989	6044	734	12.1	663	11.0	687	10.9	642	10.8				
1988	6370	955	15.0	708	11.1	687	10.9	674	10.8				
1989	6617	875	13.2	788	11.3	720	10.9	709	10.8				
1990	6912	903	13.1	779	11.3	760	11.0	746	10.8				
1991	7583	1007	13.3	905	11.9	830	11.4	864	11.4				

PLL:Q:PRE:73.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-58 Year 1991

Location U.S. 212, 1.8 Miles N of Red Lodge, MP 72

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 50.6% Pickups 44.9% Commercial 8.6%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1576	1310	1377	1324	1325	1409	1932	1409	1382	106.95	71.48
February	2108	1542	1563	1555	1453	1738	2199	1737	1570	110.64	84.01
March	2259	1509	1409	1538	1566	1778	2199	1801	1870	114.72	87.11
April	1547	1461	1382	1342	1959	1295	1364	1366	1366	102.40	66.07
May	2108	2024	1748	1709	1457	1844	2013	1870	1787	104.64	90.44
June	3289	2253	2269	2364	2396	2668	3025	2648	2393	110.66	128.07
July	3813	2870	2736	3103	3734	1409	3636	3277	3121	104.99	158.49
August	4031	2806	2721	2870	2833	3297	3776	3201	2919	109.68	154.82
September	2683	2106	2094	2149	2106	2468	2490	2341	2232	104.88	113.22
October	1918	1509	1624	1616	1647	1959	2168	1770	1409	105.67	85.61
November	1405	1457	1526	1482	1385	1533	1631	1409	1409	101.08	72.31
December	1922	1677	1753	1509	1740	1937	2269	1382	1726	105.85	88.37
Daily Average for Year	2396	1891	1851	1885	1913	2131	2402	2068	1932	107.04	

RLL:Q:PRE:134.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-58 Route U.S. 212, N of Red Lodge

Functional Class Minor Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	1880	376	22.2	321	18.9	295	17.4	279	16.5				
1989	1888	675	36.7	370	20.1	388	18.3	321	17.5				
1989	1880	682	36.3	467	24.8	388	18.3	349	18.1				
1989	1888	773	40.7	454	23.9	388	20.5	350	18.5				
1990	1971	696	35.3	397	20.1	364	18.5	349	17.7				
1991	2068	730	35.3	407	17.7	321	17.4	349	17.7				

PLL:Q:PRE:74.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-59
Location I-90, Billings Urban, MP 447

Year 1991

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 61.7% Pickups 24.4% Commercial 11.5%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January											
February											
March											
April*	9662	17107	11452	11262	11041	11560	9944	10790	11205	96.30	
May	11331	12842	13889	13790	13889	15219	12948	13438	13889	96.75	
June	14248	15594	15332	15973	16745	16069	16126	15968	16358	97.62	
July	15252	17107	16373	17650	16833	96.39	16459	16931	17306	97.83	
August	15984	17922	17556	17388	17823	19203	17486	17676	18027	96.30	
September	12348	14211	14773	15083	15250	16509	14407	14563	15119	96.30	
October	10229	18827	13889	11041	14419	16341	13767	13535	14069	96.20	
November	9393	12594	12276	11872	11652	13101	11452	11797	12337	95.62	
December	9505	12333	11849	11174	12544	13721	12740	11908	12303	96.79	
Daily Average for Year	11995	14066	14036	14215	14473	15771	13925	14067	14512	96.93	

*New Location - 9 months of data

RLL:Q:PRE:135.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-59

Route I-90, Billings Urban

Functional Class Principal Arterial

Traffic Type Interstate - Urban

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1991*	14067	2833	20.1	1605	11.4	1533	10.9	1509	10.7				

*Data based on 9 months of operation.

PLL:Q:PRE:75.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-60 Year 1991

Location U.S. 2, 1.5 Miles N of Columbia Falls Heights, MP 139.6

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 59.3% Pickups 24.4% Commercial 5.6%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	2143	2458	2277	2577	2660	2971	2393	2458	2577	96.93	48.32
February	3360	3054	2948	3050	2954	3511	3193	3084	3084	101.68	61.49
March	3260	3114	3002	3089	3060	3588	3203	3235	3236	99.97	63.23
April	3942	3755	3650	3880	3684	4277	3941	3811	3774	101.19	74.64
May	5431	5329	4741	4623	4796	5544	5189	5090	5004	101.58	99.35
June	7221	6385	6184	6305	6486	7149	4970	6697	6497	103.08	130.90
July	10513	9796	9359	9537	9560	10627	10442	9936	9748	101.93	194.20
August	10614	9852	9206	9171	9371	10444	10432	9890	9636	102.64	193.30
September	6783	6669	6305	6265	6455	6973	6463	6581	6556	103.08	128.63
October	4504	4307	6205	6305	4239	4970	4506	4386	4345	103.08	85.73
November	2868	3233	3264	3367	2944	3683	3113	3223	3316	97.20	62.99
December	2399	2961	2922	2673	2981	3474	3012	2902	2997	96.83	56.72
Daily Average for Year	5253	5074	4845	4856	4953	5601	5238	5116	5065	101.01	

RLL:Q:PRE:136.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-60

Route U.S. 2, N of Columbia Heights

Functional Class Principal Arterial

Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1982	3549	737	20.8	689	19.4	643	18.1	628	17.7				
1983	3922	765	19.9	723	18.4	693	17.7	673	17.2				
1984	3549	768	19.4	682	17.2	659	16.7	647	16.3				
1985	3549	738	19.6	689	17.4	693	16.6	644	16.2				
1986	4270	792	18.9	743	17.4	729	18.1	710	16.6				
1987	4522	828	18.3	768	17.0	741	16.6	726	16.1				
1986	4697	887	18.9	809	17.2	785	16.7	741	16.6				
1988	4775	987	20.0	865	18.1	834	17.5	824	17.3				
1990	5010	1017	20.3	932	18.6	908	18.1	891	17.8				
1991	5116	974	19.0	916	17.9	907	17.7	888	17.4				

PLL:Q:PRE:76.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-61 Year 1991

Location I-15, N of Marias Int., MP 359.5

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 43.1% Pickups 39.1% Commercial 14.5%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January											
February											
March											
April											
May*	2278	2335	2912	2066	2060	2658	2095	2273	2283	101.93	
June	2632	2413	2313	2496	2522	3023	2778	2604	2553	101.99	
July	3134	3119	2604	3121	3026	3407	1943	3160	3168	99.75	
August	3108	3119	2966	2978	2912	3510	3285	3119	3023	100.97	
September	2486	2308	2323	2000	2323	2747	2604	2604	2426	101.33	
October	2127	2283	2095	2123	2982	2792	2542	2289	2274	100.66	
November	2059	2433	1838	1943	1906	2388	2179	2062	2289	101.33	
December	2050	1886	1955	1681	2021	2433	2066	2062	1955	104.19	
Daily Average for Year	2484	2472	2292	2339	2385	2870	2703	2504	2468	101.46	

*New Location, 8 months of data.

RLL:Q:PRE:137.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-61 Route I-15, S of Shelby

Functional Class Principal Arterial Traffic Type Interstate - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1991*	2504	339	13.5	308	12.3	299	11.9	291	11.6				

*Data based on 9 months of operation.

PLL:Q:PRE:77.dlw

AUTOMATIC RECORDER DATA BY MONTHS

Station A-62 Year 1991

Location U.S. 93, 0.8 Miles N of Elmo, MP 78

FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 57.3% Pickups 20.9% Commercial 14.4%

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year daily Average
	Day of the Week							AVERAGE DAY Sunday thru Saturday	AVERAGE WEEKDAY Monday thru Friday		
	SUN	MON	TUE	WED	THUR	FRI	SAT				
January	1631	1498	1505	1585	1617	2099	1792	1654	1634	101.22	56.72
February	2329	2063	1911	1953	2350	2601	2063	2208	2101	103.33	75.73
March	2469	2208	1986	2527	2310	2740	2601	2350	2208	104.08	80.59
April	2626	2208	2269	2351	2412	2918	2208	2499	2425	103.05	85.70
May	3190	2601	2527	2563	2602	3500	3308	2942	2836	103.74	100.90
June	3649	3421	3293	3428	3534	4809	3308	3670	3567	102.89	125.87
July	5517	4467	4241	4505	4591	5460	5189	4809	4620	104.10	164.93
August	5352	4516	4809	4362	4494	5205	5101	4762	4578	104.02	163.32
September	3649	3380	3192	3129	3388	3774	3388	3421	3327	102.92	117.32
October	2588	2325	2295	2355	2422	3282	2918	2561	2918	101.91	87.83
November	1977	1841	1938	2261	2068	2338	2099	2088	2101	99.19	71.47
December	2076	1938	1895	1765	2036	2347	2197	2030	1989	102.06	69.62
Daily Average for Year	3113	2727	2603	2694	2782	3118	3148	2916	2832	102.97	

RLL:Q:PRE:138.dlw

PEAK HOURLY TRAFFIC VOLUME AND PERCENTAGE OF PEAK HOURLY VOLUMES TO A.D.T.

Station A-62 Route U.S. 93, N of Elmo

Functional Class Principal Arterial Traffic Type Primary - Rural

		HIGHEST HOUR		10th		20th		30th		40th		50th	
YEAR	ADT	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%	VOLUME	%
1986	1911	339	17.7	320	16.8	309	16.2	299	15.7				
1987	2062	389	18.1	332	16.1	322	15.6	312	15.1				
1988	2275	412	18.1	366	16.1	353	15.5	346	15.2				
1989	2200	412	18.7	348	15.8	333	15.1	324	14.7				
1990	2798	484	17.3	447	16.0	429	15.3	417	14.9				
1991	2916	551	18.9	471	16.2	460	15.8	448	15.4				

PLL:Q:PRE:78.dlw